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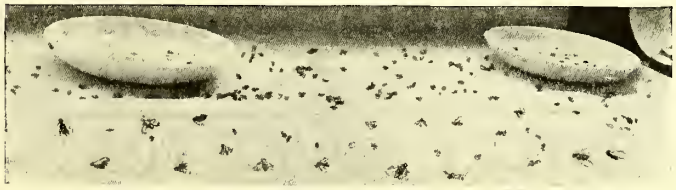

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Developers (Photo.)
Evans Sons Lescher & Webb
Express Developing Co.

Dextrin
Fink, F., & Co.

Diabetic Foods
Van Abbott, G., & Sons,

Dentifrices
Beecham, T.
Bell (John), Hills & Lncas, Ld.
Berton, Arthur, Ltd.
Blackie, Robert
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd
Eucryl, Ltd.
Gosnell, John, & Co., Ltd.
McKesson & Rohbins
Maw, S., Son & Sons
Odol Chemical Works
Parke, Davis & Co.
Sangers
Standard Tablet & Pill Co., Ld.
Woolley, J., Sons & Co., Ltd.

Diamidophenol
Greeff, R. W., & Co.

Digestive Products
Armour & Co., Ltd.
Fairchild Bros. & Foster

Disinfectants
Baiss Bros. & Stevenson, Ltd
Burgoyne, Burhidges & Co.
Burt, Boulton & Haywood, Ld
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Cooper, Wm., & Nephews
Harker, Stagg & Morgan, Ltd.
Jeyes' Sanitary Compds. Ltd
Reichwald, A., Ltd.
Sanitas Co., Ltd.
Southall Bros. & Barclay, Ltd.
Standardised Disinfectants Co., Ltd.
Stevenson, H. E., & Co.
Willows, Francis, B. & T., Ltd.
Wright, Layman & Umney, Ld.

Douches, Rubber
Goodrich, B. F., Co.

Druggists' Sundries
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Berton, Arthnr, Ltd.
Brook, Parker & Co., Ltd.
Brytstele Manfg. Co.
Burge, Warren & Ridgley, Ld.
Burgoyne, Burhidges & Co.
Bush, H. W., & Co., Ltd.
Edwards, W., & Son
Evans Sons Lescher & Wehh, Ld
Hovenden, R., & Sons, Ltd.
Longcroft, H. M.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Queich, H. C. & Co.,
Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd
Swales, Thomas
Toogood, W., Ltd.
Woolley, J., Sons & Co., Ltd.

Drugs, Crude
Burkett, Sharp & Co.
Gathergood's Exor.
Goodall, Backhouse & Co.
Lambert, Saml., & Co.
Penick, S. B., & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Salle, H., & Co.

Eau de Cologne
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, Thos., & Co.
Erasmic Co., Ltd.
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Sangers'
Schutze, F., & Co., Ltd.
Vinolia Co., Ltd.

Educational Institutions
Bath & West of England College
Birmingham and Midland College
British Optical Institute
College of Preceptors
Eff's College
Liverpool School of Pharmacy
London College of Pharmacy
Northern College of Pharmacy
School of Pharmacy
South of England College
Westminster College

Effervescent Preparations
Evans Sons Lescher & Webb, Ld.

Elastic Gum Insts.
Mason Bros. & Chapman

Elastic Hosiery
Ayrton, Saunders & Co., Ltd.
Bailey, W. H., & Son
Burge, Warrsn & Ridgley, Ld.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Wood, Vincent

Elect. Novelties
Ward & Goldstone
Wright, Archd. J., Ltd.

Electroplated Toilet Goods
Scott, Adolph

Emery and Cloth
Oakey, J., & Sons, Ltd.

Emetine Salts
Macfarlan, J. F., & Co.
Whiffen & Sons, Ltd

Emulsifiers
Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

Emulsions, C.L.O., &c.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Browning, Wm., & Co.
Cupal, Ltd.
Faulding, F. H., & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.

Enamelled Hospital Requisites
Orme, Evans & Co., Ltd.

Endolytic Tubes
Fletcher, Fletcher & Co. Ltd

Enemas
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd.

Epsom Salts
Blythe, Wm., & Co., Ltd.
Howards & Sons, Ltd.
May & Baker, Ltd.

Essences, Sol. and Fruit
Alliance Drug & Chem.
Barnstt & Fostsr.
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Stevenson & Howell, Ltd

Ethers
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrsr, T., & Co., Ltd.
White, A., & Sons

Eucalyptus Oil
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

Evaporators
Forshaw, E., & Son, Ltd.

Extract of Herbs
Newball & Mason
Potter & Clarke, Ltd.

Extracts (Medicinal)
Allsn, Stafford, & Sons, Ltd.
Burroughs Wellcoms' & Co.
Evans Sons Lescher & Webb, Ld.
Gathsrgood's Exor.
Hswlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W. & Son, Ltd.

Factory, &c., Sites
Great Western Railway

Feeding Bottles
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.

Filling Machines
Forgrove Machinery Co., Ltd.
Jackson, J. G., Ltd.
Roberts Pat. Filling Mach Co.

Filter Papers
Ford, T. B., Ltd.

Filters
British Pasteur-Chamberland Filter Co.
Fulham Pottery & Cheavin Filter Co., Ltd.

Finger Stalls
Solport Bros.

Flycatchers
Alabastine Co. (British) Ltd.
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.
Strong, Christy

Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
British Casein Co. (1911), Ltd.
British Milk Products Co., Ld
Colman, J. & J., Ltd.
Deans, Logan & Co., Ltd.
Fairchild Bros. & Foster
Frams Food Co.
Harker, Stagg & Morgan, Ltd
Horlick's Malted Milk Co.
Lorimer, John
Lofthouse & Saltmer, Ltd.
Natural Food Co., Ltd.
Plasmon, Ltd.
Reade Bros. & Co., Ltd.
Sister Lauras Infant Food Co.
Southall Bros. & Barclay, Ltd
Wander, A., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.
Wulfing, A., & Co.

Foot Appliances
Scholl Mnfg. Co., Ltd.

Fountain Pens
Sloan, L. G.

Fruit Drink
McGlashan, D.

Fuller's Earth
Mumford, G. S., & Sons

Fumigators
Sanitas Co., Ltd.

Gallic Acid
Mallinckrodt Chem. Works

Gauzes
Bailey, R., & Son

Glassware, Chemical
Lang, Jules, & Son

Glycerin
Price's Patent Candle Co., Ltd.

Glycerophosphates
Monsanto Chemical Works
Reitmeyer Calburn & Kindersley, Ltd.

Grease Paints
Oshorne, Garrett & Co.
Quelch, Henry C., & Co.

Grease Remover
Perkin & Co., Ltd.

Grinders, Drug, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse, & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water
Woodward, W., Ltd.

Gums
Fink, F., & Co.
Kidston, W. M., & Co.
Lambert Saml., & Co.

Hair Dyes
Harker, C.R., Stagg & Morgan
Blackie, Robert

Hair Preparations
Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Edwards' "Harlene" Co.
Osborne, Garrett & Co.
Sangers
Tokalon Ltd.

Hand Carts, Trucks, &c.
Crews & Co.
Turner, J.

Hat Cleaners
Cox, Arthur H., & Co., Ltd.
Milner's Chemical Co.
Senier, Alf., & Co.

Hat Dyes
Whitaker & Co.

Herbs
Potter & Clarke, Ltd.
Salle, H., & Co.

Hexamethylentetramine
Reitmeyer Calburn & Kindersley, Ltd.

Homœopathic Medicines
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

Honey
Western Honey Co.

Horse Remedies
Harvey & Co. (Dublin), Ltd.

Hospital Furniture
Gray & Selby

Hospital Ware (Semi-porcelain)
Meinecke & Co.

Hot Air Douches
Ward & Goldstone

Hotels
Kingsley Hotel
Thackeray Hotel

Hot Water Bottles
Bailey, W. H., & Son
Barton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Galen Manfg. Co., Ltd.
Goodrich, B. F., Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.
Toogood, William, Ltd.
Warne, Wm., & Co., Ltd.
Wood, Vincent

Hot Water Bottle Stoppers
Rowe, T. Wilfrid

Hydrogen Peroxide
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co. Ltd.

Hypophosphites
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Ink, Dichroic
Bewley & Draper, Ltd.

Insecticides
Christy, T., & Co.
Cook, E., & Co., Ltd.

Insect Powder
Keating, Thoma
Potter & Clarke, Ltd.
Raimes & Co.

Iodides
Tyrer, T., & Co., Ltd.

Junket Powder
Armour & Co., Ltd.

Lanolines
Christy, T., & Co.
Hillcrest Oil Co., Ltd.
Howard Lloyd & Co., Ltd.

Lard
Ewen, J., & Sons

Lavender Oil
Allen, Stafford, & Sons, Ltd.
Guillevic, E., & Co.
Ransom, W., & Son, Ltd.

Lavender Water
Bush, W. J., & Co., Ltd.
Gosnsll, John, & Co., Ltd.

Leeches
Allen & Hanburys, Ltd.

Ligatures
Seabury & Johnson

Lime Juice and Cordial
Evans Sons Lescher & Webh, Ld
Idris & Co., Ltd.

Linseed, Crushed
Mumford, G. S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.

Liquorice Juice
Boshm, F., Ltd.
Jackson, Ernest, & Co.
Solazzi

Liquors, Conc.
Fletcher, Fletcher & Co.

Lithia Salts
British Drug Houses, Ld., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofahs
Hall Forster & Co., Ltd.
Internl. Sponge Importers, Ld
Solport Bros.

Lozenges
Dsnoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Warrick Bros., Ltd.

Lysols
Aerators, Ltd.
Burt, Boulton & Haywood, Ld
Evans Sons Lescher & Webb, Ld
Lorimer, John
Zimmermann, C. & Co (Chemicals), Ltd.

Machinery, Pharmacal
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Blair, Campbell & McLean, Ld.
Forgrove Machinery Co., Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Jackson, J. G., Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and Preps.
Heury, T. & W.
Howards & Sons, Ltd.
International Chem. Co., Ld.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ld.

Malt Extract and Preps.
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ld., The
Burroughs Wellcome & Co.
Calder, James, & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ld
Fletcher, Fletcher & Co., Ltd.
May, Roberts & Co., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Wander, A., Ltd.
Wyleys, Ltd.

Marking Ink
John Bond ('Crystal Palace')

Measures, Graduated
Bush, H. W., & Co., Ltd.

Meat Extracts
Armour & Co., Ltd.
Brand & Co., Ltd.
Tooth's Extract of Meat Co.

Medical Coils
Ward & Goldstone

Mercurials
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrsr, T., & Co., Ltd.

Metal Clips
Griffin, John J., & Sons, Ltd.

Methylarsenates
Roques, Ferdinand

Methylated Spirit
Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd. [Co., Ld.
Riddell & Smith
Thornley, Samuel, Ltd.

Metric Weights
Avery, W. & T., Ltd.

Mineral Waters
Apollinaris & Johannis, Ltd.
Camwal, Ltd.
Idris & Co., Ltd.
Ingram & Royle, Ltd.
Norske Mineralkilder

Mixers and Sifters
Gardner, Wm. & Sons (Glos.) Ld

Motor Goggles
Darton, F., & Co

Naphthalene
Burt, Boulton & Haywood, Ld

Night Lights
Price's Patent Candle Co., Ld.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co
Boaks Roberts & Co., Ltd.
Boehm, F., Ltd.
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Evans Sons Lescher & Webh, Ld
Guillevic, E., & Co.
Lambert, Saml., & Co.
Lane-Hall, R., & Co.
London Essence Co.
Magnus, Mabee & Reynard Inc.
Naef, M., & Co.
Polak & Schwarz
Poppelsuter W.
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Verona Chemical Co.
Wiener, R. O., & Co.
Wright, Layman & Umney, Ld.
Zimmermann C., & Co., Ltd.

Oils, Mineral, Fatty, &c.
Allen, Stafford, & Sons, Ltd.
Boehm, F., Ltd.
Hertz & Co.
Lewis Mnfg. Co.
Price's Patent Candle Co. Ld.
Stern Sonneborn Oil Co., Ltd.

Ointments
Blackie, Robert
Burgess, E.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol) Ltd.

Olive Oil
Ferrer, J., & Co.
Guillevic, E., & Co.

Opium Preparations
Oldfield, Pattinson & Co.

Optical Goods
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunthsr Optical Co., Ltd.
Standard Optical Co.

Optical Tuition
British Optical Institute
College of Optics
Spectacle Makers Company

Orange and Quinine Wine
Hobson, Joseph, & Son
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

Organic Solvents
Hopkin & Williams, Ltd.

Organo-Therapeutic Preps.
Armour & Co., Ltd.
British Organotherapy Co., Ld
Duncan, Flockhart & Co.

Otto Rose (French)
Guillevic, E., & Co.

Otto Rose (Synth.)
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Kerfoot, Thos., & Co.
Stevenson & Howell, Ltd
Stevenson, H. E., & Co.
Warrick Bros., Ltd.
Wright, Layman & Umney, Ld.

Oxygen Baths
Wright & Co.

Palatinoids
Oppenheimer, Son & Co., Ltd.

Paper Containers
Cream Mugs, Ltd.

Paraffinum Liquidum
Browning, Wm., & Co.
Chesebrough Mnfg. Co.
Stern Sonneborn Oil Co., Ltd.
Wiener, R. O., & Co.

Packed Goods
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons, & Co.
Evans Sons Leschsr & Webh, Ld
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer, Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Co
Potter & Clarke, Ltd.
Sangers
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd
Standard Tablet & Pill Co., Ld.
Toogood, W., Ltd.

Paper Handkerchiefs
Toinoco Handkerchief Co., Ld

Pastilles
Allen & Hanburys, Ltd.
Burroughs Wellcoms & Co.
Evans Sons, Lescher & Webh
Guest, Thos., & Co.
Kerfoot, Thomas, & Co.
Wandsr, A., Ltd.
Warrick Bros., Ltd.

Patent Agents
Barker, R. W.
Raworth, John E.

Peppermint Oil
Allsn, Stafford, & Sons Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Ransom, W., & Son, Ltd.
Rudd, F. M.
Stevenson & Howell, Ltd.

Peptone
Armour & Co., Ltd.
Fairchild Bros. & Foster
May & Baksr, Ltd.

Perfume Materials
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Ksrfoot, T., & Co.
Lane-Hall, R., & Co.
Naef, M., & Co., Succrs.
Polak & Schwarz
Salle, H., & Co.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ld
Zimmermann, C., & Co., Ltd.

Perfumes
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ld., The
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Erasmic Co., Ltd.
Evans Sons Lescher & Webh, Ld
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Lorimer, John
Potter & Clarke, Ltd.
Price's Co., Ltd.
Queloh, H. C., & Co.
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ld.
Tozana Perfumery Co.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T., & Son

Perles
Tye, John, & Son

Pessaries (Soluble)
Burge, Warren & Ridgley, Ld.
Rendell, W. J.

Petroleum Jelly
Chesebrough Manfg. Co.
Kidston, W. M., & Co.
Meade-King, Robinson & Co.
Stern Sonneborn Oil Co., Ltd.
Wiener, R. O., & Co.

Phenacetin
Greeff, R. W., & Co.
Monsanto Chemical Works
Read, Holliday & Sons, Ltd.
Reitmeyer Calburn & Kindersley, Ltd.

Phosphorus and Preps.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Photo. Chemicals
Greeff, R. W., & Co.
Lane-Hall, R., & Co.
Reitmeyer Calburn & Kindersley, Ltd.

Photo. Goods
Ayrton, Saunders & Co., Ltd.
Burroughs Wellcome & Co.
Butchsr, W., & Sons, Ltd.
Evans Sons Lescher & Webb, Ld
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbury, F., & Sons, Ltd.
Rajar, Ltd.
Sangers
Wyleys, Ltd

Photo. Postcards
Rajar, Ltd.

Pill Makers
Cox, A. H., & Co., Ltd.
Daviss, Sons & Co.
Howard Lloyd & Co., Ltd.
McKesson & Robbins
Standard Tablet & Pill Co., Ld.
Wand Manufacturing Co.

Pilocarpine
Roques, Ferdinand

Plasters
Dalmas, A. de St., & Co.
Galen Manufctg. Co., Ltd

Plate Powder
Griffiths, T. D., & Co.

Pleated Paper
Darter, Wilkinson & Co.

Pocket Lamps Electric
Ward & Goldstone

Polishes (Various)
Bradley & Bourdas
Holiday & Co.
Oakey, J., & Sons, Ltd.

Postal Boxes
Globe Box Co.
Hertz & Co.
Robinson & Sons, Ltd.

Powder Paper
Papier Pondré Ltd.

Printed String
Gosheron, John, & Co.

Printers
Ford, Shapland & Co.
Suttley & Silverlook, Ltd.
Townsend, J., & Sons
Waide, T., & Sons
Wilkinson, James F.

Proprietary Articles
Angier Chemical Co., Ltd.
Anglo-Amer. Pharm. Co., Ltd.
Ashton & Parsons, Ltd.
Beecham, T.
Beghe & Chiapetta
Bell (John), Hills & Lucas, Ltd
Bishop, Alfred, Ltd.
Box, W. H.
Bresillon, M., & Co.
Browning, W., & Co.
Burgess, E.
Christy, T., & Co.
Cupal, Ltd.
Daisy, Ltd.
Davenport, J. T., Ltd.
Deions, Ltd.
Duncan, Flockhart & Co.
Edwards, W., & Son
Eno, J. C., Ltd.
Evans Sons Lescher & Webb, Ld
Expurgo Manfg. Co.
Fellows' Med. Manfg. Co.
Fennings, Alfred
Ferris & Co., Ltd.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Hardcastle, W., & Sons
Henry, T. & W.
Hommel's (Dr.) Hæmatogen
International Chem. Co., Ltd.
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Kybo Proprietary, Ltd.
Mandall & Co., Ltd
Martindale, W.
May, Roberts & Co., Ltd.
Morgan Jones & Co.
Mumford, G. S., & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Oppenheimer, Son & Co., Ltd.
Owbridge, W. T., Ltd.
Peat Products (Sphagnol) Ltd.
Phillips, Chas. H., Chem. Co.
Pneumosan Company
Powell, Thos., Ltd.
Primer, J.
Resinol Chemical Co.
Sangers
Scott & Bowne, Ltd.
Squire & Sons, Ltd.
Standard Tablet & Pill Co. Ld.
Thompson & Capper, Ltd.
Tokalon Ltd.
Tunbridge & Wright
Wander, A., Ltd.
Warrick Bros. Ltd.
Whits, A. J., Ltd.
Willcox, Jozean & Co.
Woodward, W., Ltd
Wright & Co.
Wright, Layman & Umney, Ld.

Puffs
Schutze, F., & Co., Ltd.
Solport Bros.

Pyrogallic Acid
Greeff, R. W., & Co.

Quinine and Salts
Alliance Drug & Chem. Co.
Bandoeng Quinine Factory
Corbyn, Stacey & Co., Ltd.
Greeff, R. W., & Co.
Howards & Sons, Ltd
Reitmeyer Calburn & Kindersley, Ltd.

Radium Compounds
Glew, F. H.

Razors
Hovenden, R., & Sons, Ltd.
Kelland, W. F.
Maw, S., Son & Sons

Reagents
Hopkin & Williams, Ltd.

Rennet Powder
Armour & Co., Ltd.

Resins, Resinoids
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd.
Smith, T. & H., Ltd.

Respirators
Solport Bros., Ltd.
Zimmer & Co.

Rubber Goods
Altrincham Rubber Co.
Barton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Tompkins, J., Ltd.
Warne, W., & Co., Ltd.

Rubber Stamps
Bishford, C. D.

Russian Drugs, &c.
Wladyslaw Hoffman & Co.

Saccharin
charin Corporation, Ltd.
licylic Acid and Salicylates
k, W J., & Co., Ltd.
anitary Towels
thall Bros. & Barclay, Ltd.
Santonine
dberg, I. L.
Saponin
, C. W., Ltd.
Sarsaparilla
ter & Clarke, Ltd.
Scientific Apparatus
ken, Son & Co., Ltd.
isher, J.
nolds & Branson, Ltd.
ales and Weights
ry, W. & T., Ltd.
Sea Salt
an & Son, Ltd.
Seed Dressing
wker, Arthur E.
linson & Hayward, Ltd.
Seeds
ter & Clarke, Ltd.
Serums and Antitoxins
n & Hanburys, Ltd.
roughs Wellcome & Co., Ld.
sty, T., & Co.
nsons Lescher & Webb, Ld
ks, Davis & Co.
teox, Josean & Co.
ampoo Powders
nell, John, & Co., Ltd.
nard Tablet & Pill Co., Ld.
Shares
dam & Tucknisa
Sheep Dips
t, Boulton & Haywood Ld.
per, Wm., & Nephews
wker, Arthur E.
linson & Hayward, Ltd.
Shop Fittings
ton-Graham, Ltd.
k, George
nsons Lescher & Webb, Ld.
nt, D.
kins, S., & Bros., Ltd.
phs, Philip, & Sons, Ltd.
y, S., Son & Sons
s, H.
hall & Sons
dcok & Co.
gers
houlder Straps
d, Vincent
lverware Goods
t, Adolph
Soap Plant
haw, E., & Son, Ltd.

Soaps, Toilet, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ld.
Bronnley, H., & Co., Ltd.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Eucryl, Ltd.
Evans Sons Lescher & Webb, Ld
Ewen, James, & Sons
Faulding, F. H., & Co.
Field, J. C. & J., Ltd.
Gosnell, John, & Co., Ltd.
Harrison, G. W.
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
Pears, A. & F., Ltd.
Price's Patent Candle Co., Ld.
Resinol Chemical Co.
Vinolia Co., Ltd.
Wright, Layman & Umney, Ld
Sodium Bicarbonate
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.
Sodium Salicylate
Read, Holliday & Sons, Ltd.
Soothers
Newbery, F., & Sons, Ltd.
Sohutze, F., & Co., Ltd.
Sparteine
Roques, Ferdinand
Spectacles
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.
Spermaceti
Price's Patent Candle Co., Ld.
Sphygmometers
Hicks, James J.
Spices (Ground)
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Spirit of Wine
Burrough, J., Ltd.
Calder, James, & Co., Ltd.
Preston's Liverpool Distillery Co., Ltd.
Sponges
Internl. Sponge Importers, Ld.
Newbery, F., & Sons, Ltd.
Sprays
Benton & Stone, Ltd.
Burge, Warren & Ridgley, Ltd.
Christy, Thos., & Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Toogood, Wm., Ltd.
Sprinkler Corks
Betts & Co., Ltd.
Spruce Beer
Hobson, Joseph, & Son
Starch
Mumford, G. S., & Sons

Stills
Bennett, Sons & Shears, Ltd.
Dore, John, & Co.
Forshaw, E., & Son, Ltd.
Stokes, F. J., Machine Co.
Stoppers
Rowe, T. Wilfrid
Stipendum Stopper Co.
Surgical Appliances & Dressings
Allen & Hanburys, Ltd.
Bailey, R., & Son
Baiss Bros. & Stevenson, Ltd
Berton, Arthur, Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Bush, Henry W., & Co., Ltd.
Carnegie Bros.
Christy, Thos., & Co.
Cuxson, Gerrard & Co., Ltd.
Dalmas, A. de St., & Co.
Galen Manfg. Co., Ltd.
Gimber, W., & Son
Gray & Selby
Haynes, G., & Co.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Mason Bros. & Chapman
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Robinson & Sons, Ltd.
Seabury & Johnson
Southall Bros. & Barclay, Ltd.
Thermogene Co., Ltd.
Van Horn & Sawtell
Vernon & Co., Ltd.
Vernon, Will, & Sons
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J. Sons & Co., Ltd.
Surgical Tubes (Rubber)
Goodrich, B. F., Co.
Suspensories
Bailey, W. H., & Sons
Synthetic Prods.
Naef, M., & Co.
Syphons
Barnett & Foster
Camwal, Ltd.
Idris & Co., Ltd.
Pure Aeration Supply, Ltd.
Williams, E., and Co.
Syringes
Bresillon, M., & Co.
Bush, H. W., & Co., Ltd.
Gray & Selby
Syrups, Medicinal
Fellows' Med. Mnfg. Co.
Table Waters
Burrow, W. & J.
Tablet Machinery
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Tablets, Compressed
Allen & Hanburys, Ltd.
British Drug Houses, Ld., The
Brook, Parker & Co., Ltd.
Burgoyne, Burbidges & Co.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan, Flockhart & Co.
Evans Sons Lescher & Webb, Ld
Guest, Thos., & Co.
Howards & Sons, Ltd.
Jackson, Ernest, & Co.
Parke, Davis & Co.
Scheller, Emil, & Co.
Shirley Bros., Ltd.
Southall Bros & Barclay, Ltd.
Standard Tablet & Pill Co., Ld.
Thompson & Capper, Ltd.
Wand Manfg. Co.
Wigglesworth & Co.
"Tabloid" Products
Burroughs Wellcome & Co.
Talc, Powdered
Levermore, Aug., & Co.
Tampons, Medicated
Bresillon, M., & Co.
Tea
Christy, Thos., & Co.
Teats
Ingram, J. G., & Son
Terpeneless Oils
Naef, M., & Co.
Polak & Schwarz
Zimmermann, C., & Co., Ltd.
Theobromine
Scheller, Emil, & Co.
Smith, T. & H., Ltd.
Societeit voor Chemische Industrie Katwijk
Tin Box Makers
Goodall, Backhouse & Co.
Liverpool Tin Canister Co., Ltd.
Shirley Bros., Ltd.
Tinctures in Bond
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd.
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Venesta, Ltd.
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Dearborn, Ltd.
Hall Forster & Co., Ltd.
International Chem. Co., Ld.
Johnson Laboratories
Knox-Walker, J., & Co., Ltd.
Little, D. J., Co.
Papier Poudré, Ltd.
Quelch, H. C., & Co.
Rosmarine Mnfg. Co.
Stevenson & Howell, Ltd.
Tokalon, Ltd.
Vinolia Co., Ltd.

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Singleton & Cole, Ltd.
Toilet Paper
Ayrton, Saunders & Co., Ltd.
Burgoyne, Burbidges & Co.
Ford, Shapland & Co.
Townsend, J., & Sons
Trade-Marks Agents
Barker, R. W.
Ford, Shapland & Co.
Raworth, John E.
Trade Protection
Assoc. of Mnfg. Chemists, Ld.
Trusses
Bailey, W. H. & Son
Bush, H. W., & Co., Ltd.
Davis, J. M., & Sons, Ltd.
Ellis, Son & Paramore
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Sangers
Schutze, F., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.
Tubed Specialities
Shirley Bros., Ltd.
Tubes, Glass
Melin, C., & Co.
Williams, E., & Co.
Turned Wood Boxes
Estes, E. B., & Sons
Turpentine
Lambert, Saml., & Co.
Typewriters
Remington Typewriter Co., Ld
Urinals, Earthenware
Meinecke & Co.
Vacuum Flasks
Aerators, Ltd.
Landau & Co.
Quelch, H. C., & Co.
Vacuum Pans
Bennett, Sons & Shears, Ltd.
Valuers
Baker, P. C. | Berdoe & Fish
Brett & Co. | Orridge & Co.
Tomlinson, T., & Son
Vanilla Beans
Magnus, Mabee & Reynard Inc.
Vanillin
Bush, W. J., & Co., Ltd.
Greeff, R. W., & Co.
Verona Chemical Co.
Zimmermann, C., & Co., L'd.
Vermin-Killers
Bowley, S., & Son
Christy, T., & Co.
Cox, Arthur H., & Co., Ltd.
Cupal, Ltd.
Danysz Virus, Ltd.
Evans Sons Lescher & Webb, Ld
Farmer, F., & Co.
Harley, Thomas
Hawker, Arthur E.
Milner's Chemical Co.

Vaseline
Chesebrough Manfg. Co.
Vet. Instruments
Mason Bros. & Chapman
Maw, S., Son & Sons
Vet. Remedies
Cataline Co.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Cooper, Wm., & Nephews
Day & Sons (Crewe)
Dennis, John W.
Edwards, W., & Son
Harvey & Co. (Dublin), Ltd.
Senier, Alf., & Co.
Tomlinson & Hayward, Ltd.
Wyleys, Ltd.
Vinegar
Grimble & Co.
Washing Tablet
Batley, Lewis, & Co.
Water Beds, &c.
Warne, Wm., & Co., Ltd.
Water Glass
Goodall, Backhouse & Co.
Tomlinson & Hayward, Ltd.
Water Still
Brown & Sons
Stokes, F. J., Machine & Co.
Waters, Concentrated
Robinson, B., & Co., Ltd.
Waxes
Boehm F., Ltd.
Hayes & Finch, Ltd.
Price's Pat. Candle Co.
Schliemann's Oil & Ceresine Co
Wiener, R. O., & Co.
Weed Killers
Cooper, Wm., & Nephews
Hawker, Arthur E.
Tomlinson & Hayward, Ltd.
Window Fittings
Ayrton-Graham, Ltd.
Window Tickets
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Burrough, J., Ltd.
Burroughs Wellcome & Co.
Coleman & Co., Ltd.
Fletcher, Fletcher & Co., Ltd.
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Idris & Co., Ltd.
Robinson, B., & Co., Ltd.
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Solport Bros.
Zinc Oxide
Hubbuck, T., & Son Ltd.
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A RELIABLE HOUSE FOR
All Pharmaceutical Preparations.
CONCENTRATED WATERS
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B.P. Tincture. **OPIUM** Aqueous Tincture.

Syr. Glycerophosph. Co.

LIQUID EXTRACTS.
LEVIGATED OINTMENTS
ESSENTIAL OILS.

"Silver Churn" Dairy Specialities.

Special Prices to Large Buyers. **Write for List.**

MANCHESTER.

WAR ECONOMY

is for many people as important as "War Temperance" (of which we spoke last week).

MANY such people will "knock off" minor luxuries—such, for instance, as Dry Ginger Ale—this Summer, because they think 2d. or 3d. a glass is too much to pay for a mere drink at a time like this.

BUT they will probably continue to drink it if *you* tell them how to **MAKE THEIR OWN DRY GINGER ALE** in a

"PRANA" SPARKLET SYPHON

at a cost of **less than one penny per half-pint tumbler.**

YOU will thus do them a good turn and increase your business by the sale of three profitable lines—Sparklet Syphons, Sparklet ("D" Refillable) Bulbs, and **Sparklet Dry Ginger Ale Syrup.**

AERATORS, Ltd., "Prana" Sparklet Works, Upper Edmonton, N.

Prompt Sales
Quick Turnover
Increasing Demand
Protected Price

You stock "Wincarnis"—our advertising sells it for you. There is an enormous and ever-increasing demand for "Wincarnis," because it is a good article backed up by a powerful advertising campaign. Don't risk losing sales through being out of stock. Glance at your stock now.

IMPORTANT NOTE TO CHEMISTS WITHOUT LICENSES.—It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a license.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

WINCARNIS

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

R.W. Greeff & Co.,

offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries.

(WHOLESALE QUANTITIES ONLY)

Acetyl Salicylic Acid
Bromide of Potassium
Bromide of Sodium
Bromide of Ammonium
Chloral Hydrate
Cinchonine Sulphate and Muriate
Cinchonidine Sulphate
Cocain Hydrochlor and Puriss
Coumarin Crystals
Creosote Carbonate
Diamidophenol Hydrochlor
Formaldehyde
Glycerine
Guaiacol Carbonate
Heliotropin
Hexamine
Hydroquinone
Isarol (best Ichthyol substitute)
Lithia Carbonate
Lithol (Ichthyol sub.)
Mercurials
Methyl Sulphonal
Peppermint Oil
Pepsine
Phenacetin
Phenazone
Pyrogallic Acid
Phenolphthalein
Potassium Sulpho-Guaiacolate
Quinine
Resorcine
Sugar of Milk
Tannic Acid
Tannin Albuminate
Theobromine Pure Alkaloid
Vanillin

R.W. Greeff & Co.,
THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.

GOODRICH

WANTS YOU TO TRY THESE

They are all made from **Goodrich Rubber,** that unique compound that gives to Rubber Sundries the **hall-mark of individuality.** Pure Para can be bought from any firm, but Goodrich Rubber only from the Goodrich Co. It's the treatment of the rubber tnat counts, and it's the Goodrich success in this field that has brought them their international trade. **Link up for some of it to-day.**

OTHER GOODRICH SPECIALITIES—

Catheters, Atomisers, Crutch Shoes, Bulbs and Bulb Outfits, Rubber Corks, Cash Mats, Stomach Tubes, Surgical Tubes, Tubing, &c.

THE B. F. GOODRICH CO., Ltd.
117-124 GOLDEN LANE, LONDON, E.C.

GOODRICH SPECIALITIES

Moulded Red Rubber Hot Water Bottles.
Moulded Red Rubber Combinations and Fountain Douches.
Moulded Brown Rubber 'Wonpeace' Air Cushions

Please send me your Illustrated Druggists' Sundries Catalogue, and terms.

Name .....

Address .....

.....

Date ..... (C. & D.)

VANISHING CREAM

NON-GREASY, PINK OR WHITE

During the past few years has entirely superseded greasy and fatty Toilet Creams. Owing to the exceptional demand we have had for this preparation, we have laid down a special plant and can supply in bulk on the best terms, and incorporate any perfume required.

Packed in Tubes or Opal Pots.

Tin Tubes	3/- per doz.,	33/- gross;	large size,	60/- gross.
Opal Pots, 1 oz. ...	3/6 ,,	39/- ,,	,,	78/- ,,

Also in 7 lb., 14 lb., 28 lb., and 1 cwt. drums.

Send for Sample and ask for Full Price List of our Preparations. It will pay you to do so.

J. KNOX-WALKER & CO., Ltd., *Manufacturing Chemists,* **422 KINGSLAND RD., LONDON, N.E.**
SAMUEL VAUGHAN, Managing Director.

HAVE YOU RECEIVED OUR NEW CATALOGUE OF

Bottling, Tube and Tin-Filling Machines, Mixers, Emulsifiers, Etc.

Up-to-date Plant at Low Prices.
Something to meet every need.

WRITE—

Roberts' Patent Filling Machine Co.,
33 Roundcroft Street, BOLTON, England.

CELTOL, ANTISEPTIC, LYSOL SUBSTITUTE.

CELTYL, Disinfectant Fluid, 18-20 Co-eff.
CELTIC CROSS, Ordinary Disinfectant Fluid.
CELTOLENE, Antiseptic Liquid Soap.

Sheep Dip, Crude Carbolic Acid, Soap Powder, Domestic Liquid Soap and all other Coal Tar Products. All British made by the CELTIC CHEMICAL CO., GLASGOW.

Sole Consignees: **AUGUST REICHWALD, Ltd.**
(Established 1872. Entirely British owned and controlled),
Finsbury Pavement House, LONDON, E.C.

TELEGRAMS: "ELEVEN CENT LONDON"

S. MAW, SON & SONS
7 to 12, ALDERSGATE ST.
LONDON, E.C.

Maw's Page

TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE

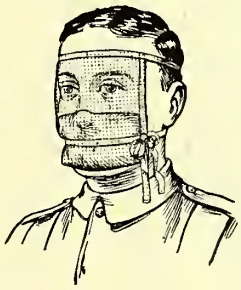
NUMBER 190 JUNE 5, 1915

A Familiar Invalid Feeder MADE IN GLASS

Our China "Ideal" Feeder has been before the public for many years, and Pharmacists are, no doubt, familiar with its special features. These are embodied in our glass pattern. Its unique shape allows of liquids being taken in the recumbent position without in the least changing or disturbing the position of the patient's head. The "Ideal" is marked in teaspoon and tablespoon graduations. Made to stand inverted for drainage after cleansing. Each in box.

PRICE 4/8 DOZEN.

MAW'S
CHEMICAL MASK
FOR POISONOUS GASES



This Mask has been designed to meet the need of a protective covering for the mouth nose and eyes that can be applied in a minimum of time.

Simply place the chemical pad supplied in the pocket of mask, pass tape across forehead, cross over behind head, and bring down under ears across pocket in front of mouth. Tie as illustrated.

Price of Mask, complete with pad, 10/- dozen, each in envelope, with directions. Spare Pads, each in greaseproof envelope, 3/- dozen. Waterproof Pocket Case, to take Mask and Pad, 4*d*. each. Waterproof Case, with 3 spare Pads, 1/- each.

THE "No 40" SYRINGE
"3 ARTICLES IN ONE"

There are many meritable qualities about this Urethral Syringe. It is a line we recommend for the following reasons:—

The stopper will fit any ordinary prescription vial, from two to six ounces, and can be carried in the bottle, and obviates the necessity of carrying three articles, viz. *bottle*, *syringe* and *vessel*.

ALWAYS READY FOR USE

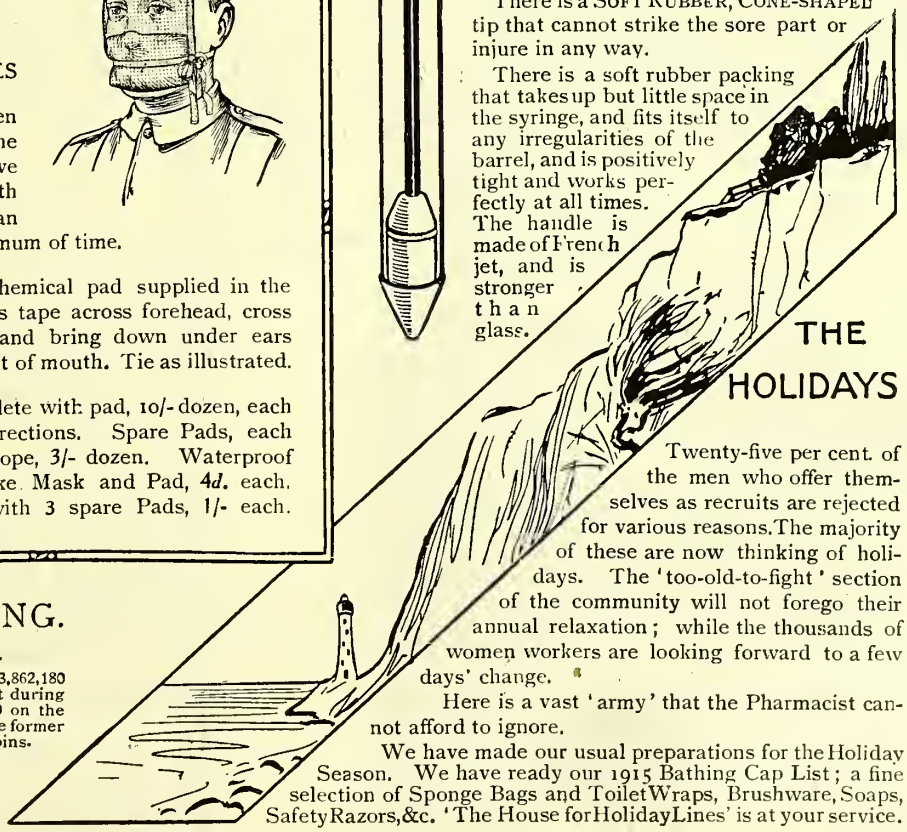
The stopper slides on the barrel, and may be placed at any position.

The last drachm may be drawn from the bottle into the syringe. Invert the bottle and withdraw the piston to fill the syringe.

PRICE 6/- DOZEN.

There is a SOFT RUBBER, CONE-SHAPED tip that cannot strike the sore part or injure in any way.

There is a soft rubber packing that takes up but little space in the syringe, and fits itself to any irregularities of the barrel, and is positively tight and works perfectly at all times. The handle is made of French jet, and is stronger than glass.



THE HOLIDAYS

Twenty-five per cent. of the men who offer themselves as recruits are rejected for various reasons. The majority of these are now thinking of holidays. The 'too-old-to-fight' section of the community will not forego their annual relaxation; while the thousands of women workers are looking forward to a few days' change.

Here is a vast 'army' that the Pharmacist cannot afford to ignore.

We have made our usual preparations for the Holiday Season. We have ready our 1915 Bathing Cap List; a fine selection of Sponge Bags and Toilet Wraps, Brushware, Soaps, Safety Razors, &c. 'The House for Holiday Lines' is at your service.

MONEY-MAKING.

LITTLE TALES: 6.

Coins to the number of 213,862,180 were struck at the Royal Mint during 1914, an increase of 28,425,419 on the total of the previous year. Of the former number 18,752,241 were gold coins.

The best way for the Pharmacist to make money is to stock 'Maw' quality goods in general and Maw's "Parex" goods in particular.

USUAL DISCOUNT OFF ABOVE PRICES.

Don't be a Chemist

Our representative will explain,

OR WRITE TO—

Suttley & Silverlock, Ltd.

THE WORLD'S LABEL PRINTERS,

Blackfriars, London, S.E.

Telephone: 3474 Hop (4 lines). Telegrams: "Silverlock, Friars, London."

GOOD!

IT'S MASON'S

EXTRACT OF HERBS.

The Drink for the Masses.

Millions of Glasses used daily by workers all over the Empire.

A CONSTANT USER SAYS:

Scole, Norfolk.

Gentlemen—

For years I took a glass of Malt Liquor before dinner to create an appetite, as I was a poor feeder. Some months ago I heard of your Extract for making Beer. I gave it a trial and have ever since used it as a substitute for the other, and the result is most satisfactory. After being bottled a few days it is as bright and sparkles like bottled Ale. Since taking it I have been free from the cruel pains of Indigestion from which I had suffered a long time. Now instead of going to the "public house" in the evening for my usual glass, I smoke my pipe at home, drink my Herb Beverage and enjoy it, go to bed and sleep soundly. I have recommended it to many others, who have tried it with like results. Your Agent here thought I ought to give you a testimonial.

I am, Sirs, yours truly, J. W.

Besides being a grand refresher, Herb Beer made from

MASON'S EXTRACT OF HERBS

is cheap. For **2d.** you can make a gallon of the most wholesome and invigorating beverage you ever tasted.

Please allow us to Sample and Quote—

Citrate Magnesia

Health Salt

Salines

Liver Salt

Blood Salt

Sulph. & Sarsap. Salt

Lemonade

Crystals, &c.

NEWBALL & MASON,

NOTTINGHAM.

A PROFITABLE SIDE LINE

EASY TO SELL, AND OFFERS A SUBSTANTIAL & PROTECTED PROFIT. AN ATTRACTIVE SIDE LINE FOR PHARMACISTS. WHY NOT ADD IT TO YOUR STOCK?

No. 12. Chased, with Clip Cap.

Waterman's Ideal Fountain Pen

Safety type (open). For Sailors, Soldiers, Sportsmen, Travellers, Ladies, and all who lead an outdoor life. Cannot leak, however carried.

Waterman's Ideal Fountain Pen is a high-grade article which it will pay you to sell. As a Pharmacist you have many opportunities of pushing such a widely and forcefully advertised article. The profits are attractive, too, much more so than on some of the side lines you already stock. As to the demand—it is constant all the year round, for people must write, and more and more they do their writing with Waterman's Ideal Fountain Pen. It's a pleasure to sell such a high-grade article, and the price cannot be cut by competitors. Retails from 10/6 upwards.

SAFETY TYPE.

SEALED WHEN OPEN. **SEALED WHEN CLOSED.**

Transparent view of Safety Type closed.

Trade particulars from

L. G. SLOAN, "The Pen Corner" KINGSWAY, LONDON.

SPECIAL!

A Remarkable Offer of Chemists' Crystal Display Cases.

NEVER before has such an opportunity been offered for Chemists to secure a really handsome, modern, Display Case at abnormally low cost. At £18 or £20 it would be remarkably good value—but having a limited number left over from a large order recently completed for the trade, WE ARE CUTTING OUR PROFITS.

These Cases are specially suitable for Chemists for the display of Perfumes, Toilet Preparations and sundries. Increased sales will make this Case a profitable investment.

Read the Specification:

48 in. high, 47 in. wide, 18 in. deep, with one piece of polished plate-glass top, one piece polished plate-glass front, one piece polished plate ends — all ground and polished ends. Fastened together by patent process. No holes whatever bored through the plate glass.

Solid marble base of 8 in.

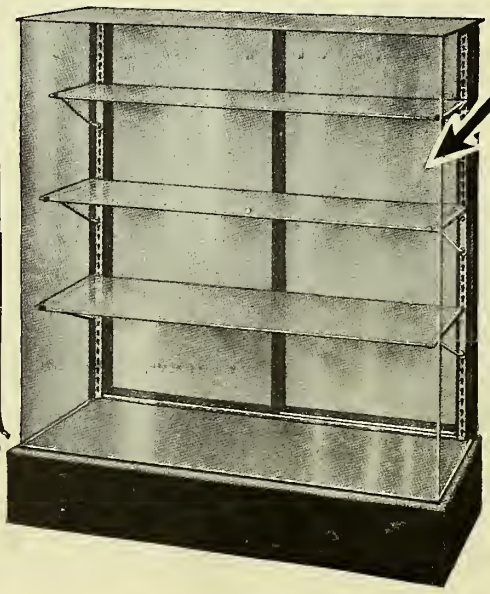
Doors are lined with French plate mirrors, sliding on the most approved groove fitting.

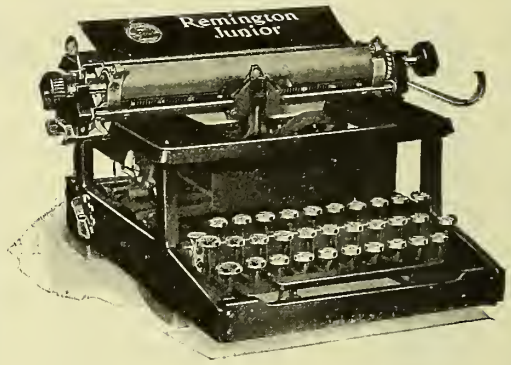
Shelves 11, 12 and 13 in. wide respectively, of polished plate glass, edges ground smooth, resting on nickel-plated standards.

Floor of Case lined with dark green felt, which will not fade.

PARNALL & SONS,
44-45 Broadmead, Bristol.

ASK FOR MODEL, A.
Special Clearance Offer!
£15 NET. ✻ CARRIAGE FORWARD.





A Great Typewriter Triumph for Druggists.

A typewriter to do all your letters, labels, memoranda, reports, and other simple writing—in fact, a Remington Typewriter for £12. It is the first time in typewriter history that such a successful machine has been on the market. Great as a time-saver. Invaluable for giving your correspondence a business-like appearance.

The REMINGTON "J" TYPEWRITER

PRICE £12

is built with the skill and conscience behind the world-famous standard Remington, but it is lighter and smaller, specially designed to meet perfectly all the simpler requirements as stated above. IT WRITES IN FULL SIGHT and is easy to operate, fascinating to work—it makes answering your letters actually a pleasure. Though you couldn't afford a full-priced Remington, modern conditions are such that you can't afford to do without a Remington "J."

WRITE FOR BOOKLET—FREE.

It gives all particulars. Convinces you that this is a genuine Remington product—an unequalled asset to the up-to-date Chemist. Send a postcard to-day to

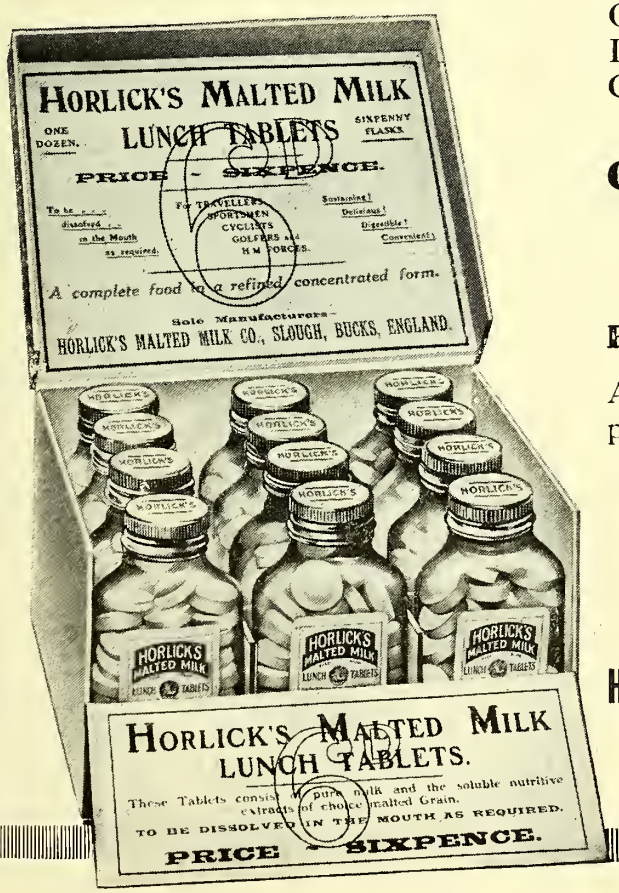
REMINGTON TYPEWRITER CO., LTD.
100 GRACECHURCH ST., E.C.
'PHONE: 5555 AVENUE.

Horlick's Malted Milk LUNCH TABLETS

A NEW

6D. FLASK

Especially convenient for Travellers, Sportsmen, Athletes, Cyclists, and His Majesty's Forces.



ONE DOZEN FLASKS IN A CARTON FOR COUNTER DISPLAY.

COSTS THE TRADE

4/6

FOR SINGLE DOZENS

Also in 1/- Flasks, similarly packed, at 9/- per dozen.

Order of your wholesale distributor.

Write for particulars to:

HORLICK'S MALTED MILK Co.

SLOUGH, BUCKS., ENG.

F. DARTON & CO., *Manufacturing Opticians* (WHOLESALE)

142 ST. JOHN STREET, LONDON, E.C.

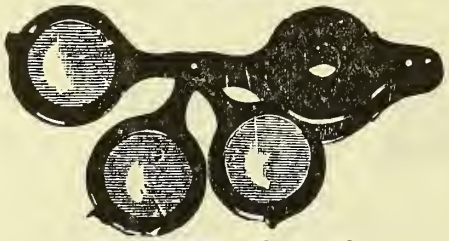
A few of our Ready Selling Lines. For others send for Lists mentioned below. Post Free to Trade Only.

In Gold, Gold Filled, and Nickel.
Useful for Prescription Work. Good quality, Neat appearance
Low Price.

RIMLESS EYEGLASSES.

Finger-piece Nickel, with Freuzel tint, white Convex or Concave Glasses ... doz. **24/-**
Finger-piece Gold-filled, with Freuzel tint, white Convex or Concave Glasses doz. **30/-**

A large assortment of other patterns at varying prices.



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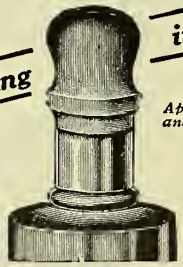

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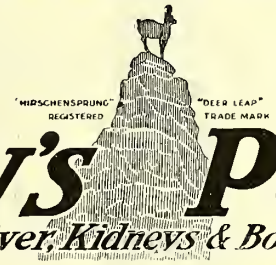

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SUMMER ISSUE.

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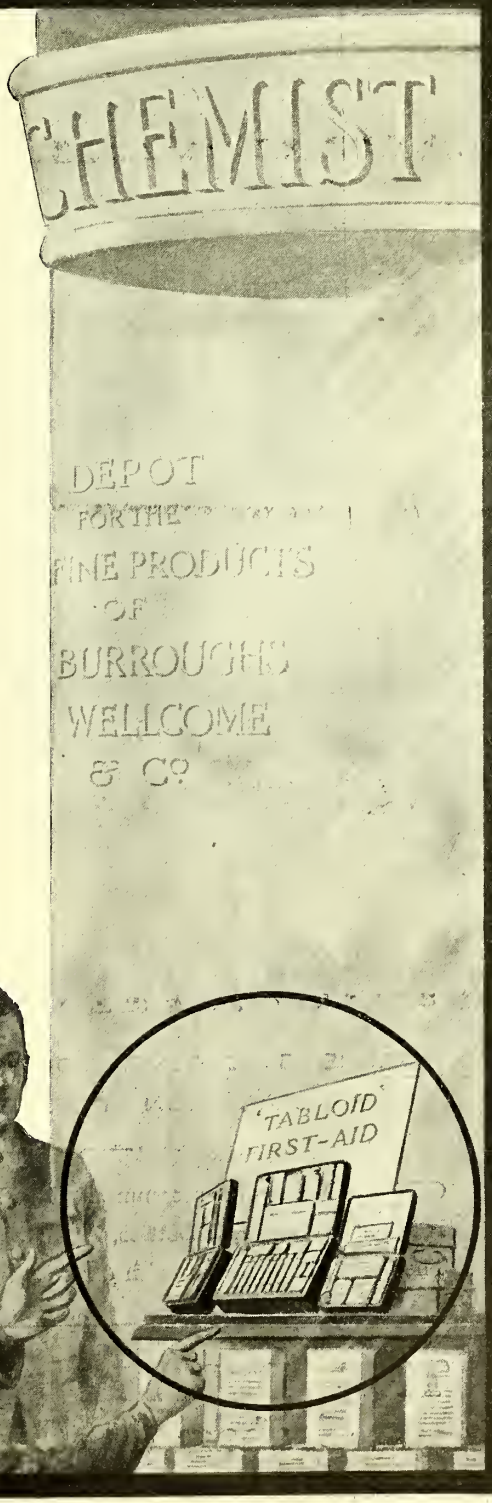

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

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Summary.

About 20,000 copies of the new British Pharmacopœia have been sold (p. 45).

A German incendiary bomb is figured and described on p. 35. Scores of them were dropped in London by a Zeppelin on Monday evening.

Mr. William Pearce, M.P., F.C.S., the well-known chemical-manufacturer, is to be Knighted. Other King's Birthday honours are mentioned on p. 36.

Mr. C. H. Roberts, M.P., has been appointed Chairman of the Insurance Joint Committee in succession to Mr. Montagu, who has returned to his old office at the Treasury (p. 43).

The General Medical Council has rejected somewhat cavalierly the Pharmaceutical Society's suggestion that registered chemists should be admitted to medical studies on a *pro tanto* basis (p. 46).

An action in the Prize Court regarding the ownership of Turkey opium found on two steamers specially interests Mincing Lane people. The claimants were held by the Court to be brokers, not owners, of the opium (p. 40).

Mr. Edmund White has been re-elected President of the Pharmaceutical Society of Great Britain, and other Council officers have also been re-elected, while some of the staff officers have been reappointed. This constituted the principal business at this week's Council-meeting (pp. 43-45).

The Welsh Insurance Commissioners have issued an explanation regarding the effect of enlistment on the Medical Benefit Fund which all panel chemists should read. It is epitomised on p. 53. We also call attention to our report of the London Panel Committee, which is withdrawing from the tripartite checking arrangement (p. 53, p. 49, and p. 58).

Mr. McKenna, the new Chancellor of the Exchequer, is taking an interest in the spirituous-medicine matter, which has advanced somewhat consequent on the intervention of Mr. C. A. Hill and Mr. Umney, a statement from whom follows our own observations on p. 48. The latest indications are that some modification of the spirit clause of the Finance Bill will have to be made, as the provisions mean much additional work to wholesalers and others.

European War.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

THIRTY-SEVENTH LIST.

BAILEY, Frederick H., chemist and druggist, Highgate, London, N., R.A.M.C. (T.), 2/3rd London Field Ambulance.

BALLINGALL, William (lately with Mr. A. P. McCallum, chemist, 8 Meadowbank Place, Edinburgh), Sportsmen's Battalion, Argyll and Sutherland Highlanders.

BELLAMY, Horace, Northern traveller of F. Schutze & Co., Black Bull Works, Caledonian Market, London, N., ambulance driver, Red Cross Society.

ELLIOTT, Arthur (lately with Goodall, Backhouse & Co., Leeds), Seaforth Highlanders.

HARRISON, Private E. F., Ph.C., B.Sc., F.I.C., London, Sportsmen's Battalion, Royal Fusiliers.

HATFIELD, Cyril G. M., Government Laboratory and London Electrical Engineers, only son of Mr. G. W. Hatfield, Limehouse, E., President of the East London Pharmacists' Association and member of the London Pharmaceutical Committee. Gazetted to the 18th (Service) Battalion Middlesex Regiment (Duke of Cambridge's Own).

SMITH, Corporal T. R. (nephew of Mr. J. H. Smith, of J. H. Smith & Co., chemists, Newark), Sherwood Rangers (Yeomanry). Corporal Smith is now in Egypt, and in a letter published in the "Newark Advertiser" gives an interesting account of military life there.

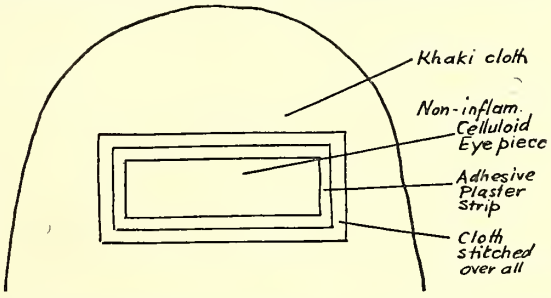
SMITH, Sergeant J. (lately with the Leeds Co-operative Society Drug Department)), R.A.M.C.

URE, Private Allan (lately apprentice with Mr. F. Melrose, chemist, Methil), Argyll and Sutherland Highlanders.

The following employés of Chas. Zimmermann & Co. (Chemicals), Ltd., and (Photo), Ltd., 9 and 10 St. Mary-at-Hill, London, E.C., are serving with the Colours: Private Cocksedge, Royal Engineers; Private Dancy, 7th (Service) Battalion Middlesex Regiment; Private Dawkins, R.A.M.C.; Lance-Corporal Elworthy, Honourable Artillery Company; Private Howe, Aircraft Service; Bombardier Phillpott, Gunners Northwood and Wragg, Royal Field Artillery; Private Prout, Life Guards. These are additional to the list which we have published previously, and other members of the staff are serving in the various Home Defence Corps.

Anti-chlor. Respirators.

The respirators used by British soldiers who have the risk of going into atmosphere poisoned by Germans with chlorine are saturated with a solution of sodium hyposulphite and sodium carbonate. The following is a diagrammatic sketch of a hood which is being much used:



As non-inflammable celluloid is not always obtainable, transparent, insoluble, and non-inflammable gelatin is also used. The hoods, with the insertion for the eyes, are saturated with the following solution by means of a powerful spray; they are then packed in waterproof tissue to retain their moisture as long as possible, though the War Office says that it is not essential if water is at hand; *it must be moist to be efficient, the nose and mouth being covered.* The eyepiece is first stitched in, then adhesive plaster placed over it.

Sodium hyposulphite	15 oz.
Sodium carbonate	5 oz.
Glycerin (by weight)	2 oz.
Water	10 oz.

Mix the glycerin and water, and dissolve the salts in the mixture, straining if necessary.

A little eucalyptus essence may be added to the solution as a refresher. About 6 fl. dr. of the solution is used for each respirator.

B

The main reaction is represented in the following equation:

$$4Cl_2+Na_2S_2O_3,5H_2O+5Na_2CO_3$$
$$=2Na_2SO_4+8NaCl+5H_2O+5CO_2$$

There are secondary reactions, but it will be seen that the chlorine is fixed as sodium chloride.

Prohibited Exports.

A special supplement to the "London Gazette" issued on June 2 contains several additions to the list of articles the exportation of which is prohibited to all destinations abroad other than British Possessions and Protectorates. These include hydrochloric acid, oxides and salts of nickel, oxides and salts of tungsten, hempseed, palm-nuts and palm-kernels, poppy-seed, rape- or colza seed, and sunflower-seed. Arsenic and its compounds have been placed on the list of goods that must not be sent to foreign ports in Europe, other than those of France, Russia, Spain, and Portugal. Russian Baltic ports are also banned.

Patent Rules Procedure.

The following procedure is to be followed under Rules 2 and 3 of the Patents, Designs, and Trade-marks (Temporary) Rules, 1914 (see *C. & D.*, August 29, 1914, p. 41) in dealing with all work in connection with patents, designs, and trade-marks:

1. During the continuance of the war no patent will be sealed and no registration of a trade-mark or design will be granted to subjects of any State at war with his Majesty (hereinafter called "such subjects").

The term "such subjects," except for the purposes of Paragraph 4 hereof, will be taken to include (*a*) a firm which by reason of its constitution may be considered as managed or controlled by such subjects or the business whereof is wholly or mainly carried on on behalf of such subjects; (*b*) a company which has received its constitution in an enemy's State; (*c*) a company registered in his Majesty's Dominions the business whereof is managed or controlled by such subjects, or is carried on wholly or mainly on behalf of such subjects.

2. As regards applications for patents, designs, or trade-marks, no distinction will in the first place be drawn between those made by such subjects and those made by other persons. All proceedings thereunder will be carried on as usual down to and including acceptance; but in the case of applications by such subjects all proceedings thereon subsequent to acceptance (except such proceedings and matters as are mentioned in Section 9 of the Patents and Designs Act, 1907) will be suspended until otherwise directed.

The suspension of proceedings upon applications by such subjects will only be recalled or discharged upon proper terms, including, if thought fit, the release of the applicant of the privileges and rights which he would otherwise have under Section 10 of the Patents and Designs Act, 1907.

3. Applicants who fail to conform to the provisions of the Patents and Designs Act, 1907, the Trade-marks Act, 1905, and the Rules made thereunder, will run the risk of losing their rights, unless they are able to bring themselves under the provisions of Rule 3 of the above Rules. Applications under Rule 3 (*a*) should be made and will be considered at such time as the applicant, patentee, or proprietor of a design or trade-mark, as the case may be, is in a position to do the said act or file the said document as aforesaid. Applications under Rule 3 (*b*) should be made before the date for the doing of any such act.

4. As regards oppositions to the grant of patents and the registration of trade-marks arising after the commencement of the war: (*a*) Oppositions by such subjects in cases where the grant or registration opposed is one to a British citizen or alien friend will not be entertained. (*b*) In the case where the grant or registration opposed is a grant or registration to any such subject the notice of opposition will be accepted, but all further proceedings will be suspended until the end of the war.

5. As regards inventions communicated by such subjects as aforesaid in respect of which patents are applied for by persons in this country, these will be treated in the same manner as if made directly by the communicator.

Personalia.

Corporal John H. Williams-Idris, Inns of Court O.T.C., youngest son of Mr. T. H. W. Idris, has been gazetted second-lieutenant, 19th Battalion (County of London Regiment).

Private John Forsyth, 5th Battalion The Royal Scots, who was formerly employed with Harkness, Beaumont & Co., Junction Bridge, Edinburgh, has been wounded in the recent fighting on the Gallipoli Peninsula.

Second-Lieutenant J. C. Craigie, 2nd Grenadier Guards, who is officially reported wounded in action, is a grandson of Mr. John Morgan Richards and the only child of the late Mrs. Craigie (John Oliver Hobbes), Mr. Richards' only daughter.

Sergeant T. Shooter, chemist and druggist, R.A.M.C., has been promoted to the rank of quartermaster-sergeant, and is acting in that capacity at the 2nd Northern General Hospital at Becket's Park, Leeds. Mr. Shooter was formerly employed with Mr. C. F. Thackray, Ph.C., Great George Street, Leeds.

Captain J. B. Purvis, Ph.C., F.S.M.C., Bridlington, and his son, Lieutenant G. B. Purvis, also a pharmacist, were, as Territorials, mobilised last July, and have both been in action at the Front. Captain Purvis led the "A" Company of the 5th Yorkshires in the brilliant stand which they made in the recent battle at Ypres, when the Canadians were gassed, and they were highly complimented by Sir John French.

Mr. Richard C. Wren, F.L.S., of Potter & Clarke, London, resides at Monkton Combe, Drake Road, Westcliff-on-Sea. On the occasion of the Zeppelin raid there on May 26 a bomb was dropped through the top room of his house, but, the roof being extra good, the bomb spent its force above instead of below. The fire produced was extinguished quickly, although the roof and ceiling were considerably damaged.

Mr. F. G. Piquet, chemist and druggist, The Halkett Pharmacy, St. Helier, Jersey, has been notified by the Canadian Records Office that his son, Sergeant Arthur Fred. Piquet, 3rd Battalion 101st Edmonton Fusiliers, is among the missing in Flanders. Sergeant Piquet was with the Canadian Contingent at the great fight for Hill 60. He was thirty-five years old, and was for some time employed in his father's pharmacy in St. Helier, but on the outbreak of the South African War he joined the South African Light Horse, with which regiment he served till the end of the war, receiving both medals with seven bars. He then went to Canada, and on the outbreak of hostilities in Europe joined the Canadian Forces, anxious "to do his bit," as he put it in a letter to his parents. Much sympathy is expressed in Jersey with his family, and it is hoped that ere long reassuring news will be received.

Corporal W. Blaiklock, 22nd Battalion City of London Regiment, who was employed in the advertisement department of Burroughs Wellcome & Co., Snow Hill, London, was wounded at the battle of Festubert on May 23. Corporal Blaiklock was in a reserve trench while a British attack was in progress. When the supports were ordered up the Germans endeavoured to hold them back by a curtain of shrapnel, and Corporal Blaiklock was wounded slightly in the arm and eye, more seriously in the leg, by a shell which hit the parapet of the trench just as he was climbing out of it. First aid was rendered immediately in a neighbouring dug-out, and in less than four days Corporal Blaiklock was comfortably settled in the 2nd London General Hospital, where an operation was performed for the removal of the shrapnel fragment. Corporal Blaiklock had been a Territorial for a number of years, and had been at the Front for over three months.

Miscellaneous.

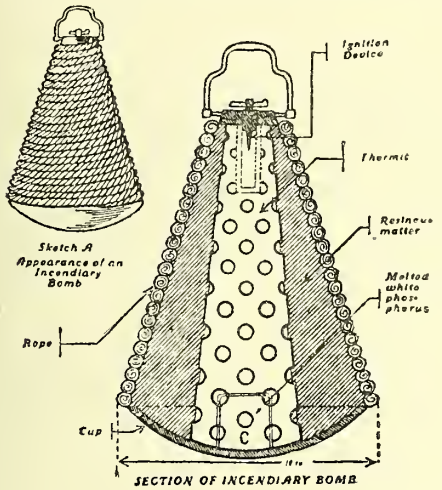
Serbian Relief Fund.—Mr. W. Bates, Southampton, desires to acknowledge the following subscriptions to this Fund: Ernest Jackson & Co., Crediton, 21*s.*; Mr. W. W. Thomas, Knaphill, 5*s.* Also the undernoted donations and gifts to the Southampton Branch Fund: Mr. H. Ferryman, 10*s.* 6*d.*; Mr. F. B. Wride, 10*s.* 6*d.*; Mr. H. Wilson, 21*s.*; Mr. G. Bates, 10*s.* 6*d.*; W. Bates & Co., Ltd. (staff), 2*l.* 2*s.*; Mr. W. Bates, two pieces calico.

Belgian Doctors' and Pharmacists' Relief Fund.—The following subscriptions have been received from pharmacists during the week: Chemists' Assistants' Association (per E. Thompson), 5*l.*; "Formulæ," 10*s.*; A. Chapman, 13*s.* 11*d.*; Australasian Pharmaceutical Conference (per Agent-General), Victoria 50*l.*, South Australia 34*l.* We have also received particulars of meetings of the Aide et Protection aux Médecins et Pharmaciens Belges regarding cases of pharmacists relieved by the Fund. Subscriptions may be sent to Mr. Woolcock, 17 Bloomsbury Square, London, W.C.

Enemy Patents.—A licence has been granted to R. S. Wright and E. E. Burnside, under the Patents, Designs, and Trade-marks (Temporary Rules) Acts, 1914, to use Bauer's patent 25101 of 1912 relating to high-tension electrometers used in connection with Röntgen tubes. An application has been made by F. Goodman & Co. for a licence or for the avoidance or suspension of Fendler and Franks patent 17100 of 1910. This relates to a method of rendering halogen hydrocarbons, such as carbon tetrachloride, soluble in soap solutions for washing purposes. The hearing is fixed for June 9.

Precautions against Incendiary Bombs.—The British Fire Prevention Committee has issued two placards (No. 17 and No. 17*a*), suitable for posting in private houses or in-

stitutions, giving particulars of the nature of the incendiary bombs used by the Germans, and instructions as to



how to deal with fires arising from them. The following description of the bomb illustrated is given:

The bomb, as a rule, is conical, 10 in. in diameter at the base, corded round, and has a metal handle at the apex (A). The base is a flat cup, to which a pierced metal funnel is fitted, having the ignition device and handle fitted at the top. The funnel is generally filled with thermit, which upon ignition generates intense heat, and by the time of the concussion has taken the form of molten metal of the extraordinary high temperature of over 5,000° F. The molten metal is spread by the concussion. Outside the funnel is a padding of a highly inflammable or resinous material, bound on with an inflammable form of rope. This resinous material creates a pungent smoke. There is generally some melted white phosphorus in the bottom of the cap which develops nauseous fumes. In some cases celluloid chippings are added, and occasionally a small quantity of petrol.

These bombs readily fire buildings and their contents owing to the fierce nature of the flames and the molten metal produced by the chemicals used. Water, promptly applied in fair bulk, force, and continuity, say, from a series of buckets energetically thrown or hand-pumps vigorously worked, will prevent the fire from spreading, notwithstanding the high temperature of the molten metal. Sand or loose soil might be useful in the absence of water, but would not have the necessary cooling effect. The application of single buckets of water or single shovels of sand would be comparatively valueless. The fumes of the bombs are generally very pungent, and a simple form of respirator, which can be easily damped, should be kept handy and used where necessary.

The ordinary *explosive* bombs used by the enemy rarely cause fires *per se*, but where a building is injured or collapses fires may be caused by open lights or fires, etc., and are spread by escaping gas, etc. Fires so caused can, as a rule, be dealt with as ordinary fires in their incipient stage.

The following precautions are recommended:

Should definite information be received of the approach of hostile aircraft or actual bombardment commence in the vicinity, refuge should be taken promptly in the cellar, basement, or lower floor.

All gas lights or stoves should be turned out, and the gas supply turned off at the meter.

All electric lights should be switched off, and the supply turned off at the main switch near the meter.

Further, if time permits:

All oil lamps should be extinguished and taken into the cellar or basement.

All open fires above basement-level should be extinguished.

All doors and windows should be closed, also shutters where such exist.

News from Enemy Countries.

CHEMISTS' RELIEF FUND.—According to the "Pharmaceutische Zeitung" (May 12) the Society of German chemists has opened a relief fund for destitute chemists, and 32,590m. has already been collected. A large number of applications for help have been received.

THE SCARCITY OF SURGICAL DRESSINGS appears to have become acute in Germany, and cellulose wool and "charpie" are already generally used. With regard to the commandeering of all large stocks of wool, gauze, etc., already reported, the "Berliner Tageblatt" recalls Robert Koch's experiments as to the usefulness of dressings that have already been used. In a letter to the Home Department in 1882, which was not published at the time, Koch suggested a method by which such dressings could again be made fit for use. It suffices to disinfect the dressings with steam to make them fit for use again.

USE OF SYNTHETIC CAMPHOR.—The Kriegschemikalien Aktiengesellschaft (War Chemicals Co.) has informed a German pharmacist, who applied for a certificate that he might be furnished with camphor for the purposes of making camphorated phenol and spirituous solution of camphor, that for such purposes the use of synthetic camphor is permitted. No official decree regarding this has been issued so far, but, according to the "Apotheker Zeitung," the above appears to be an official acknowledgment of the statements of several scientists who have recently affirmed the equivalence of natural and synthetic camphor for external application.

A HOSPITAL TOWN.—In Pardubitz, in Bohemia, a barrack hospital with 10,000 beds has been arranged as a quarantine establishment to which all sick and wounded soldiers destined for Bohemia are sent. The area covered by the institution is 80 hectares, and the principal street through the hospital is 1,200 metres long. There are, in all, 206 barracks and 125 administration buildings, including staff quarters, a post office, telephone office, bakery, railway sidings connected with the State railways, two bacteriological laboratories, three operating-theatres, and two dissecting-rooms. One hundred and twenty-five physicians, 750 nurses, and 750 officials are employed in it. Professor Jedlicka, of Prague, is chief surgeon. The hospital town has cost 500,000*l*.

WOMEN PHARMACY ASSISTANTS.—After several months of polemics as to whether there is or is not a lack of assistants in German pharmacies, the conclusion appears to have been reached that German pharmacy is badly in need of qualified assistants. In order to meet this need young women of good school education are now employed in pharmacy. Although here and there women have taken to pharmaceutical study in Germany, and are regularly occupied in pharmacies, their employment is still rather unusual. The "Pharm. Zeit.," in commenting upon this matter, says that women who now get employment in the pharmaceutical profession will find out that it is not at all impossible for them to pass the necessary examinations; consequently many women will take up pharmaceutical study, especially as their chances of getting married will be less and many will after the war be obliged to gain their own livelihood.

QUACKERY IN BELGIUM.—A Hamburg paper reports that a Belgian physician in Charleroi, writing on the energetic manner in which the Germans endeavour to promote public hygiene in Belgium, states that thus far Belgium has been known as the country *par excellence* for quack doctors—a circumstance that is largely due to the untrustworthiness of the Belgian pharmacists. Anyone may open a pharmacy in Belgium provided that he appoints a *provisor* in it in order to comply with the law. In no other country are such a large number of secret remedies prepared as in the Belgian pharmacies. The Belgian people, especially the more educated among them, hope the Germans will put an end to this and similar unsatisfactory situations. [This statement is an astounding perversion of the truth, but we presume it is a German effort to stimulate some set-off to the extraordinary barbarities which have been committed in Belgium.—EDITOR *C. & D.*]

FOOD IN COLLAPSIBLE TUBES.—A neutral correspondent of "The Times" (June 1), describing his excursions into the shopping world in Germany, states that he was greatly impressed with the nature of the gifts for soldiers exposed for sale, and the facilities which commercial enterprise has created for the convenience of the public in sending food to their soldier friends. In several places whole shops are devoted to supplying food and delicacies for soldiers on service. The food is specially prepared and placed in 1-lb., ½-lb., and ¼-lb collapsible tubes, with screw caps. Butter, lard, honey, marmalade, jams, preserved cream, semi-fluid meat extracts—in fact, every kind of nourishment that can be reduced to a suitable consistency for such a packing is thus provided. Suitable boxes and packing-materials are supplied. The "Times" correspondent adds that it would be impossible to supply the soldier on active service with food from home in a handier way. The "food-tubes" are obtainable all over Germany, and are sent by hundreds of thousands daily to the troops.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

King's Birthday Honours.

On Thursday, June 3, King George V. was fifty. The list of honours conferred on the occasion includes a few names familiar to chemists. Among new baronets are Mr. A. H. Crosfield, formerly M.P. for Warrington, and Sir Henry Norman, M.P., who was Chairman of the Select Committee on Patent Medicines. Dr. James Mackenzie, M.R.C.P., the heart-specialist, receives a knighthood. He was apprenticed to a Perth chemist, and had five years' experience in pharmacy before studying medicine and graduating at the Edinburgh University. Afterwards he was a general practitioner at Bolton for many years before he came to London a few years ago to set up in Harley Street. A knighthood is also being conferred upon Mr. William Pearce, M.P., F.C.S., who is a director of William Pearce & Sons, Ltd., and Spencer, Chapman & Messel, Ltd., chemical-manufacturers. He is the member for Limehouse, and has taken a practical interest in all chemical questions brought before Parliament, especially those in which the London Chamber of Commerce has shown interest. The excellent work done by Lord Moulton, F.R.S., in connection with the war and industrial chemistry is recognised by the bestowal upon him of the K.C.B.

Sir W. Pearce.

Birmingham.

Mr. Barlow, of Balsall Heath Road, has taken in the whole of his premises for his business. He has an extensive canine *clientèle*, and has won many prizes at dog shows.

It is becoming fashionable to display in the shop-windows orders and P.O.'s for repeats of proprietary articles from customers who have left the district and gone to reside elsewhere.

The shop, house, and premises at the corner of Bristol and Belgrave Roads, occupied by Mr. Henry Howes, chemist, were offered for sale by auction last week, but did not find a purchaser.

Another Ucal pharmacy has been established at Stirchley in close proximity to Mr. Churchill's shop, which formerly belonged to Mr. Nath. Hodgetts, who has for some years been in medical practice at West Bromwich.

The holiday season is beginning, and pharmacists find that their despatch department is becoming busy owing to goods being sent to clients elsewhere. The postal method is in favour, as railway carriage is neither certain nor rapid.

The large residence of Mr. W. Hill, who was formerly a pharmacist at Coleshill, now of the County Chemical Co., Bradford Street, and prospective M.P. for East Worcestershire, is to let, and the whole of the effects are being sold this week by auction. Mr. Hill is leaving the district.

Liverpool.

To the list of chemists of the district who had their shop-windows destroyed by the anti-German mob should be added Mr. R. P. Hurst, 11 Moor Lane, Great Crosby, who has carried on business there for twenty-four years. Mr. Hurst's glass suffered through the ill-directed missiles intended to complete the destruction of the shop next door, which has since changed its tenant.

A local chemist was asked the other day whether his errand-boy could be borrowed by a neighbour, who had an urgent telegram to send, and lacked both telephone and boy. "No," replied the chemist; "he is out on the dun horse." A curious customer sought an explanation. The chemist informed him that the boy had been sent round to dun people whose accounts were overdue.

Owing to the great success of the summer excursion organised by the Liverpool Chemists' Association last year, when a large party spent a happy day at Clitheroe, the question is rife among members and their wives: "Is there to be an excursion this June or July?" Nothing official has been arranged or seems to be contemplated. The railway companies offer no facilities, and it is likely to be a case of "war on, picnics off."

Mr. R. C. Herman, chemist, a member of the Liverpool City Council, declined, on May 28, the offer by his colleagues on the Free Libraries, Museums, and Arts Committee, of a seat on the Autumn Art Exhibition Special Sub-Committee. Mr. Herman has taken great interest in the exhibition and the growth of the permanent collection at the Walker Art Gallery, but he cannot at present spare more time for public service. He divides his energies between the Libraries and the City Hospitals Committees.

Mr. Henry Peet, M.A., F.S.A., etc., chemist, Ranelagh Place, has just published the second volume of the "Liverpool Vestry Books" (1681-1834), a copy of which (the gift of the Rev. T. J. Walshe) was acknowledged at the 158th annual meeting of the proprietors of the Liverpool Library on May 28. Among the proprietors present was Mr. T. Fell Abraham, Ph.C., an ex-President of the Liverpool Guardian Society for the Protection of Trade. For many years Mr. Peet was a member and an ex-Chairman of the Liverpool Select Vestry, which administers the Poor Law for the parish of Liverpool. The Vestry has just transferred the Highfield Infirmary, its most modern hospital, to the War Office, and concentrated the dispensing for pauper patients at the Brownlowhill institution.

Manchester.

With the advent of warmer weather, the demand for fly-catchers—rolls and papers—has commenced rather earlier than usual.

Mr. Potter, chemist and druggist, has acquired the business at Alexandra Park, Moss Side, until recently carried on by Mr. Nathan Thornley, chemist and druggist.

Local photographic chemists received a "shock" when notified by photographic manufacturers of the recent 20 to 25 per cent. increase in the cost of photographic papers. The prices of postcards have been advanced by 5s. per 1,000. Photographic papers are also becoming very scarce and much dearer, while hydroquinone and "hypo" are two of the chemicals chiefly affected.

The pharmacists of the Moss Side and Hulme districts of Manchester have been asked to equip the dispensary of the British Red Cross Branch Hospital of sixty beds which is being fitted up at Willow Bank, Moss Lane East. One or two pharmacists of Moss Side will act as dispensers to the hospital, giving their services at stated hours daily. Some twelve pharmacists have promised financial support for equipping the hospital to meet the requirements of the authorities.

Sheffield.

Mr. G. T. W. Newsholme, Ph.C., is again laid aside with his old gastric trouble, and has been unable to attend to public or private business for two or three weeks. We are pleased to say he is progressing favourably.

The Sheffield Magistrates have committed for trial George William Lingard (31), shear-maker, on a charge of attempting to break and enter the shop of Mr. Job Preston, chemist, 105 Barker's Pool, on Wednesday morning, June 2.

J. Gilbert Jackson, Ltd., Abbeydale Road, have this week a telling window-show consisting of special corn-paint, surrounded by a general display of "Ucal" preparations. These goods have to be viewed through broad bands of the Belgian Colours, and this has proved the attraction to the public.

Contracts for Drugs, etc.

Appended are particulars regarding contracts for drugs and allied products received during the week:

Bethnal Green Guardians have been recommended to accept the tender of Corbyn, Stacey & Co., Ltd., for drugs and druggists' sundries.

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Brentford Guardians.—T. Hodgkinson, Prestons & King, drugs (275*l.*); S. Maw, Son & Sons, surgical appliances and sundries (129*l.*); Burgoyne, Burbidges & Co., surgical appliances and sundries (267*l.*)

Holborn Public Health Committee.—Adcocks, Ltd., and A. C. Young & Co., disinfectants. The Council decided that no contract for mercuric chloride is necessary, as this chemical is rarely used, and can be obtained, when required, from local chemists at reasonable rates.

Paddington Guardians have been recommended to accept the tenders of F. S. Cleaver & Sons, Ltd. (9*l.* 16*s.* 6*d.*), R. Brown & Co. (197*l.* 17*s.*), and G. T. Cox & Sons, Ltd. (35*l.* 15*s.*), for soaps for nine months.

Salford Town Council.—Brunner, Mond & Co., Ltd., soda ash.

Twickenham Urban District Council.—Doulton & Co., Ltd., combined bed-pan and urine-bottle sink (11*l.* 18*s.* 6*d.*, less 15 per cent.); Mr. A. Feather, chemist, 240 gals. disinfectant-fluid (1*s.* 1½*d.* per gal.); Mr. C. J. Palmer, chemist, one ton special disinfectant-powder (5*l.* 5*s.*); H. E. Hope & Co., 100 Pynerzone disinfectant-blocks (5*l.* 12*s.* 6*d.*).

Wandsworth Guardians on May 28, on the recommendation of the Finance Committee, decided to pay to the contractors for drugs, T. Hodgkinson, Prestons & King, whose account for the quarter amounted to 276*l.* 18*s.* 7*d.*, a claim of 15*l.* 3*s.* 5*d.* for increased cost due to the war.

Miscellaneous.

Petty Thefts.—At Hastings on May 31, a lad named Richard Morton was bound over on probation for a year for stealing an electric torch and a shaving-stick, value 3*s.* 6*d.*, from his employer, Mr. H. C. Edwards, Queen's Road, Hastings.

Bright Lights.—A number of traders at Scunthorpe, Lincs, proceeded against on May 26, under the Defence of the Realm Act, for breaches of the Lighting Order, included Mr. W. Holt, chemist and druggist. In imposing a fine of 10*s.* in each case, the Chairman stated that future offences will be dealt with more severely.

Poisoning Cases.—Four of the five deaths from poisons that have been reported during the week were suicidal cases, the poisons implicated being laudanum, laudanum and veronal, oxalic acid, and potassium cyanide. The cyanide was purchased under the pretence that it was to be used for destroying insects. An overdose of veronal, taken by misadventure, caused the death of a London textile agent.

Cycle Accidents.—On Whit-Monday a cyclist dashed into the window of the pharmacy of Mr. Edwin Simmson, chemist and druggist, Minster, Isle of Thanet, badly damaging the shop-front.—While cycling in Chapel Street, Southport, on May 28, a boy employed by Boots Cash Chemists, Ltd., collided with one of the company's horse-vans and was thrown into the roadway. He was taken to the Infirmary, where he was found to be suffering from concussion and cuts.

A Ramble in Epping Forest.—The Social Committee of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists arranged for a ramble through Epping Forest on Thursday, May 27, which was an exceptionally fine day, and the ramble was much enjoyed. The party took train from Wood Street Station to Chingford, thence walking by forest and field paths to High Beech, where tea was served. After tea the walk was continued to Yardley Hill, and to the station for the return journey.

Sale of Food and Drugs Acts.—The reports of the city analyst for Hull (Mr. A. R. Tankard, F.I.C.) for the first four months of 1915 indicate that thirty-five samples of drugs were purchased for analysis during the period. Of these, five were returned as unsatisfactory—viz., laudanum, deficient in alcohol (1); laudanum, 16.8 per cent. deficient in alcohol and containing 4 per cent. excess of extractive matters (1); calcined magnesia, light carbonate supplied (1); and mercury ointment (2). The two samples of mercury ointment examined contained 15 and 49 per cent. respectively of metallic mercury. The former was of a composition agreeing with the unofficial diluted mercury ointment of commerce, and the latter agreed with the composition of the British Pharmacopœia, 1908, and contained 19 per cent. of metallic mercury in excess of the B.P. requirements. One of the samples of fruit wine examined contained 1.8 grain of salicylic acid per pint. In regard to the latter, it is stated in the report that "although the quantity is not large, the use of salicylic acid in such products is now so general that it is to be regretted the recommendation of the Select Committee on Preservatives and Colouring-matters in Foods (1901), that the presence of this preservative should in all cases be declared and its amount restricted to 1 grain per pint, has not been made the subject of Regulations."

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. W. J. Barre, of S. Connor & Sons, chemists, Newry, who is leaving that town to take up a position in Limerick, was presented with a gold albert and pendant by the members of the Red Cross section and officers of the Ulster Volunteer Force in Newry as a token of esteem.

The Naas Guardians had before them recently the claim of Boileau & Boyd, Ltd., Dublin, for extra payment on the drug-contract owing to the increased cost of drugs during the war. The contractors were asked to make a statutory declaration as to the actual loss sustained, but owing to the number of items involved this was found to be impracticable. The matter has now been referred to the Local Government Board.

Fire at Belfast.

On May 27 a fire broke out in the oil-store of Mr. Samuel Gibson's wholesale druggist establishment, King Street. When the firemen arrived they found the building well alight, the flames shooting through the roof high into the air, amid dense volumes of smoke. The bakery connected with the Savoy Café was also involved, while other neighbouring premises were in imminent danger. A large quantity of lubricating-oil, escaping from blazing barrels, ran down the gateway in a fiery stream, and for a time considerably hampered the extinguishing operations. The heat was so intense, and the fumes so suffocating, that the men in charge of the hose had to beat a retreat, and then work their way slowly back towards the seat of the flames. The men were also engaged in rescuing people from neighbouring premises. The oil-store was completely destroyed, the damage being estimated at about 1,500*l.* Two employés of Mr. Gibson, each under sixteen years of age, were arrested on May 30 on a charge of setting fire to the store, and remanded to the Children's Court.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Dundee.

The tar-distillery of the Dundee Gas Commissioners is now in operation.

Dr. Charles Kerr, who has been appointed head of the medical department of the 21st General Hospital, of which Sir Victor Horsley is to act as surgeon-in-charge, is a son of the late Charles Kerr, Ph.C., Dundee.

Edinburgh.

Mr. Claude F. Henry, chemist and druggist, has resigned his post at the Central Checking Bureau, Glasgow, on account of his health

A local Picture Palace advertises "a prescription to cure the hump"! It is: "℞ Mistura Charles Chaplin. Doses vi. To be taken twice nightly."

The wife of the commanding officer of a local Territorial battalion now at the Front has given a fillip to the sale of several commodities which soldiers will appreciate, notably acid-drops and malted-milk tablets.

Private A. S. Thomson, 7th Battalion Royal Scots (T.F.), who was employed by Harkness, Beaumont & Co., Junction Bridge, Edinburgh, is among the missing in connection with the railway disaster at Gretna. Private Thomson had served three years in the battalion. Another victim of the same disaster is Private D. Ritchie, also of the 7th Battalion Royal Scots, who is reported as missing. Private Ritchie was formerly in the employment of Raimes, Clark & Co., Ltd., Leith Walk.

Plans have been passed by the Edinburgh Dean of Guild Court for an addition to the premises of the North British Rubber Co. at Fountainbridge. The new building will comprise four large rooms, and will probably mean work for an additional 200 or 300 employés. It is intended to be utilised for the manufacture of heavy transport tyres, a phase of the business which, owing to the war, has undergone a rapid extension.

Particulars extracted from the report of the twelfth decennial census of Scotland (that relating to the 1911 census) indicate that there are in Scotland nearly 700,000 males of recruitable age. The number of males in the following professions and industries in 1911 were: Medical profession and service, Scotland, 5,303; Edinburgh, 863; manufacture and sale of scientific instruments, etc., Scotland, 8,694; Edinburgh, 1,986; chemical and rubber industries, Scotland, 20,052; Edinburgh, 2,986.

Mr. Thomas Stephenson, Ph.C., F.C.S., 137 George Street, Edinburgh, finding that the work connected with editing and publishing "The Prescriber" not only absorbs all his time, but has proved sufficiently remunerative, has decided to vacate his pharmacy at the above address, and has arranged that all prescriptions in his books, his specialities, and goods for which he is special agent will be obtainable from Mr. George Lunan, F.C.S., Ph.C., 20 Queensferry Street. Mr. Stephenson's address is now "The Prescriber" Offices, 6 South Charlotte Street, Edinburgh.

Fife.

The recent advances in the prices of certain drugs have caused retailers to overhaul their price-lists, with the result that there have been corresponding increases in retail charges.

Mr. George Thomson, chemist and druggist, Crosshill Pharmacy, Lochore, Fifeshire, having passed the necessary Theoretical and Practical examination in both sections, has been awarded the Diploma of the Glasgow College of Optics.

Certain co-operative societies in the county have added an extra penny to the prices of certain "patents"—*e.g.*, Veno's Cough-cure, 1*s.* 2½*d.*, and Beecham's pills, formerly 10½*d.*, now 1*s.* This is necessary to enable these patents to rank for dividend and to comply in some cases with the regulations of the P.A.T.A.

East Coast chemists who are in the habit of refilling ships' medicine-chests must now obtain a permit before their employés are allowed access to the harbours, as all traders are now excluded from harbour areas except under permit. Application for the necessary pass has to be made to the Customs authorities.

An amateur photographer has been fined 2*l.* at Dunfermline Sheriff Court, under the Defence of the Realm Act, for having in his possession, on the Forth Bridge and in the vicinity of Rosyth Dockyard and Harbour works, without official permission, a pocket "Kodak" and films, and with having attempted to collect and record information regarding the disposition and description of warships by taking photographs of them.

Glasgow and the West.

At Ayr Sheriff Court, on May 27, Mr. Archibald G. B. Paterson, chemist and druggist, was fined 3*l.* for failing to obscure lights in his house on May 12.

Mr. A. H. Robertson, who has for many years represented Parke, Davis & Co. in Manchester, has been transferred to Glasgow, in succession to Mr. J. H. Taylor. Mr. Robertson will introduce himself to the Glasgow trade in the course of this month.

William George Hornsey, lately trading as Allen & Co., 191 Romford Road and 101 Vansittart Road, E., dealer in disinfectants, was publicly examined at the London Bankruptcy Court on Thursday, June 3, the accounts showing total liabilities 6,244*l.* 10*s.* 8*d.* (unsecured, 4,320*l.* 13*s.* 11*d.*) and net assets valued at 21*l.* 11*s.* 7*d.*, after deducting 23*l.* 16*s.* 9*d.* for payment of the preferential claims. The debtor attributed his insolvency to loss in connection with the strip and disinfectant businesses and to loss on a cinematograph-theatre.

French News.

(From the "C. & D." Paris Correspondent.)

Vichy.—The Syndicat d'Initiative of Vichy announce that the season at Vichy this year will be run practically as usual. The Springs will be accessible to patients, and the bathing establishment and Mecano-Therapie are open.

"Réchaud du Soldat."—A little article called the "Réchaud du Soldat" is having a large sale in Paris (and presumably elsewhere in France) just now. A journal of pharmacy points out that the "réchaud" is simply a variation of opodeldoc balsam.

Ambulance Work.—M. Maurice Leprince, first-class assistant pharmacist-major in the French Army, has been cited in Divisional Orders of the Day for "the great activity and devotion and extreme ingenuity shown in caring for the wounded at Ambulance No. 12." He has also been recommended for the Cross of the Legion of Honour. He is the son of a well-known Parisian pharmacist, and has been at the Front since August 13 last.

Foreign Companies in France.—The Commission du Commerce, after a further examination of the proposal to restrict the use of the term "Français" has modified its previous report so that the use of such term shall be prohibited (1) to any firm or establishment, having one or more foreign directors on its board, or foreign chiefs, who are not exclusively under French law, or (2) to a branch of a foreign company or establishment. The Commission now considers that, for Frenchmen wishing to join in partnership with foreigners, nothing would be easier than to adopt such terms as Franco-Russian, Franco-British, Franco-Swiss, etc.

Paris Society of Pharmacy.—At a recent meeting of the Society M. Tiffeneau was elected a member of the Committee appointed to study the question of foreign medicaments. M. Leger read a paper on officinal citrate of magnesia, proposing to replace the article specified in the Codex by an improved product of which he described the preparation. MM. Grimbert and Bailly contributed a paper on the identification of glycerophosphoric monoethers and the constitution of crystallised sodium glycerophosphate. M. Meillère continued his remarks on milk-analysis. The determination of solid matters and albuminoids generally lacks precision, he said, and he thought total solids could be determined by evaporating and drying 5 or 10 c.c. of milk in a water-oven to 35° C. The total nitrogen could give comparable results for albuminoids. The death of M. Pierre Eugène Thibaut, a member of the Society, was referred to in the course of the meeting.

Mobilised Pharmacists and their Services.—Senator Cazeneuve addressed a letter some time since to the General Association of French Pharmacists in which he summarises the question of the rational utilisation of mobilised pharmacists and the Superior Consultative Committee of Army Sanitary Service, of which M. de Freycinet is the President, has now issued a report in which it is stated:

(1) That the present corps of army pharmacists is complete and cannot be increased.

(2) That the repartition should be modified to suit present needs.

(3) That pharmacists and students of pharmacy should be mobilised as hospital orderlies.

M. Cazeneuve agrees that it is impossible to give commissions to all the 4,000 pharmacists mobilised, but many might be named auxiliary pharmacists—this rank answering to that of adjutant. This possibility the Committee seems to have ignored. In any case, the pharmacists who have been mobilised as infantry sergeants, Zouave corporals, sentinels on railway lines, etc., might be utilised as orderlies as the report recommends. M. Cazeneuve cites the case of M. Dascher, a Parisian pharmacist, who, having served as hospital orderly before the war, was mobilised as an artilleryman in one of the forts defending the capital. He protested, cited the circular

of the Minister of War, and finally obtained satisfaction. The Senator advises all pharmacists mobilised as combatants to do the same. Certainly a hospital orderly's work is no great catch. But the pharmacist may resign himself to it by the reflection that he is doing useful service. "At numerous points of the Front, and even in the auxiliary hospitals improvised nearly everywhere, inefficient orderlies are legion. Sometimes they are brutes (the expression is not too strong) who add to the ignorance of their work a culpable indifference with regard to the sick and wounded. I say it plainly, because it is the truth, and truth will out. The pharmacist will bring to his duties competence, the habit of dealing with the sick, and devotion equal to his education. He will make —many have already made—a model orderly."

India and the East.

(From the "C. & D." Correspondents.)

MR. JOHN L. FRANCIS, of the Francis Medical Hall, manufacturing chemists, Myanaung, Lower Burma, has issued a price-list of his "Zewaka" preparations and appliances. The list is got up and printed entirely by the printing department of the Hall. It is well illustrated and printed, and prices and particulars are given both in English and in Burmese. On the front cover is a picture printed in colours which reflects the splendour of the East.

POISONINGS IN INDIA.—The report of the Chemical Examiner to the Bengal Government states that the number of articles examined decreased from 8,620 in 1913 to 8,097 in 1914. The total number of specimens of viscera sent by the medical officers in suspected human poisoning cases was 396, being the largest on record during the last quinquennium, and poison was detected in 39.09 of them. Arsenic appears to be the favourite poison. Toddy-sellers and vendors of country liquor not infrequently add poisonous indigenous drugs, such as aconite, datura, etc., to their wares in order to increase the intoxicating effect, and several fatal results are recorded.

Russian News.

CHEMICAL-WORKS.—The "Torgovo-Promyshlennaya Gazeta" (Petrograd) announces that a syndicate has been organised for the purpose of establishing works for the manufacture of dyes and chemical products from native raw material, and that capital has already been promised or subscribed amounting to over six million roubles. Some of the largest industrial concerns around Moscow, such as the N. N. Konshin Co., the Danilov Manufacturing Co., the Tubner Co., the Tversk Manufacturing Co., the Emil Tsindel Manufacturing Co., etc., are included in the syndicate.

IMPORTATION OF PHARMACEUTICALS.—The Inter-Departmental Committee on Pharmaceutical Industry, at a meeting held in Petrograd on April 10/23, recommended that a Bill should be passed through the Legislative Chambers to prohibit the importation into Russia of all complex pharmaceutical preparations of foreign manufacture. The Committee further recommended that the importation of preparations ready for use, in medicinal doses, should be authorised for a period of three years only, and only in respect of preparations which are considered by the Medical Council to be original in composition, form, or method of preparation.

DISCOURAGING TRADE.—A correspondent of the "Daily Telegraph" states that formalities imposed by the Russian Government recently, with the intention of benefiting British trade with Russia, will, in fact, seriously interfere with the trade in small manufactured articles. A certificate of origin, signed by the Russian Consul, must accompany each parcel. The fee of such a certificate is 9*s.* 7½*d.* by the Consul and 3*s.* 9*d.* by the London Chamber of Commerce, thus making a total expense of 13*s.* 4½*d.* per consignment. This expense can neither be borne by the British manufacturer nor by the Russian customer, and the writer adds that his firm, like many others, has to decline Russian orders every day. Steps should be taken, in the interest of British trade, either to remove this new regulation or to reduce the fees to a minimum.

ALCOHOL PRIZES.—We have received further particulars of an international competition which has been instituted by the Russian Ministry of Finance for the utilisation of alcohol in pharmaceuticals, perfumery, etc., in addition to the prizes previously offered for the discovery of new uses for spirit or its derivatives for heating, lighting, as a motive power, and in chemical technology (*C. & D.*, May 8, p. 34). Prizes of 60,000, 30,000, and 10,000 roubles are offered for the invention of a new process for the manufacture of products, such as acetic acid, ether, chloroform, etc., in which alcohol can be utilised, but the composition of which is different from alcohol itself. For the utilisation of alcohol in pharmaceuticals, perfumery, etc., three prizes of 50,000, 20,000, and 5,000 roubles are offered, and in this case it is a *sine qua non* that it shall not be possible advantageously to extract the alcohol. Essays should be sent to the Excise and Alcohol Monopoly Administrator at Petrograd before January 1, 1916, and should be accompanied by samples.

Italian News.

MILITARY PHARMACISTS.—The official military journal publishes a circular in which the Minister of War announces that he instituted on May 16 a course of instruction for intending applicants for the rank of under-lieutenant pharmacist in the Medical Service Corps. The course will last a month, and is intended to impart to applicants the technical and practical essentials until they are fit for a place in the corps. Applicants had to submit with their application-form the following documents: (*a*) Diploma (Laureate in Chemistry and Pharmacy or Diploma in Pharmacy); (*b*) birth certificate, proving that the applicant was not over twenty-eight years of age; (*c*) certificate of moral and good conduct from the Sindaco of the applicant's commune, countersigned by the Prefect and Sub-Prefect; and (*d*) military service discharge. Pharmacists under forty who have previously served in the army re-enter it with the same rank as they left, and other pharmacists liable to military service are recommended to ask on mobilisation to be allowed to rank as pharmacists instead of combatants, while those over forty are at liberty to volunteer for modified service, the age-limit being suspended until December 31, 1915.

IODINE MEDICATION IN WARFARE.—In a *résumé* of the forms of iodine medication adopted by the various Powers in the present war, in order that Italy, the latest to join in, may benefit by the shortcomings of others, the following are some of the decisions arrived at by the military authorities: All are faulty in some respect, the preparations being either impure, not fresh, not constant, not easily used, or not conveniently stored, while a method suggested recently in THE CHEMIST AND DRUGGIST is from every point of view far from commendable. The ampoule idea is mentioned, but without criticism. The Italian suggestions seem to differ but slightly from those so condemned. It is suggested that economy may be ensured by means of a fine spray or brush application, and a phial somewhat similar to the ampoule, but without absorbent, is recommended. This is considered best, but other solvents than alcohol, such as ether, acetone, and toluene, are suggested to get the iodine in a finer state of division than it is said to exist in alcoholic solution; indeed, it is thought the efficiency might be best ensured by getting the iodine in a molecular state by treatment with chloroform or carbon bisulphide. Iodosan, the colloid form of iodine, is mentioned favourably, but nothing is said about the all-important point—what the War Office has done in the matter.

EVERY MINOR STUDENT should get a copy of "Minor Experiences," published by the *C. & D.* at 2*s.* 6*d.*, by post 2*s.* 8*d.* All about the examination is told in it by men and women who have passed.

"GERMANY'S SCIENTIFIC ACTIVITY" was the title of an article reprinted in the "Financial Times" from the "Engineering and Mining Journal" of New York last week. Mr. S. Hutchins, writing to our contemporary in regard to it, says: "I think that it was originally written with the sole object of misleading the American public, as well as readers on this side. The writer has permitted himself the full scope of his imagination, and his imagination, I think, is considerable. Anyone with even a slight knowledge of German conditions and the processes of manufacturing the different articles he names will, however, draw considerable satisfaction from this article, since, reading between the lines, it proves that Germany is finding it extremely difficult to find substitutes for those articles the supply of which Britain and her Allies have been able to cut off."

Legal Reports.

Trade Law.

Rex v. Hannah.—Mr. Thomas Hannah applied to the Appellate Division of the Supreme Court, Bloemfontein, on May 11, for leave to appeal against his conviction under Section 39 of the Transvaal Medical, Dental, and Pharmacy Ordinance, 1904, as reported in the *C. & D.*, May 29, p. 40. The Chief Justice of the Union (Sir James Rose Innes, K.C.M.G.) presided. He and Judges Maasdorp and Solomon heard Mr. Hannah with great patience, the latter's concluding remarks being to the effect that, as a self-respecting man, he had no alternative but to stand his ground to the bitter end, whatever it might be. He could not permit himself to be driven from hearth and home and friends without just cause. If he was unworthy to live, then it was the plain duty of the authorities to have him shot or hanged. He would far sooner be shot or hanged, or drawn and quartered, than be disgraced in the blackguardly and cowardly fashion that he had been by the officials, whom he had specifically accused of defrauding the ends of justice. In giving judgment refusing leave to appeal, the Chief Justice said the point of the case was very simple. Mr. Hannah's advertisement amounted to a representation that he was entitled to practise as a chemist and druggist registered in the Transvaal. Anyone reading it or the circular would come to the conclusion that he was entitled to practise in the Transvaal. To his Lordship's mind that was the object of the advertisement. If the applicant had stated that he was entitled to practise in Natal the position would have been different. The representation was wilful and untrue; the Court need not go so far as to hold that it was fraudulent. The applicant thought he had the right to represent himself as a chemist in his view of the section. If he had stated the actual fact that he was registered in Natal his case would have been governed by the principle laid down in Carpenter *v.* Hamilton (37 L.T., 157). His Lordship added that he had considerable sympathy for the applicant. His case was a hard one, and Mr. Hannah genuinely thought that the section meant what, in the opinion of the Court, it did not mean. The other Judges concurred.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

"NAZALIA" TRADE-MARK.

The action of Payne *v.* Wilson was mentioned to Mr. Justice Younger in the Chancery Division on June 1, on a motion to restrain the defendant from advertising for sale certain remedies for catarrh under the name of "Nazalia." Mr. Sebastian (for plaintiff) stated that his client had not only used the name for many years for his remedy, but is the registered owner of the trade-mark. The defendant had appeared to the action, and he (counsel) was in a position to take by consent a perpetual injunction in accordance with the notice of motion, and an order for delivery up of any infringing goods. The plaintiff waived all claim to damages, but the defendant would pay the taxed costs.

OPIUM SEIZED AS PRIZE.

In the Prize Court on June 1, Bowyer & Bartleet, 147 Fenchurch Street, London, claimed consignments of opium seized by the Customs as prize of war on board the steamers *Antigone* and *Brescia*. The goods were shipped at Smyrna for delivery in London. The opium was imported for the extraction of morphine.

Mr. Mackinnon, K.C., for the Crown, asking for the condemnation of the cargoes, said they were enemy goods, as England was at war with Turkey. Twenty-six cases of opium, seized on the *Antigone*, had been sold to the claimants for 4,026*l.*, and the question was now whether that money was to be paid back to them. He suggested that the claimants were brokers for sale on behalf of the shippers, and were not principals, who might claim the goods as their property. He based his contention on documents by the claimants in which, after their signature, appeared the word "Brokers," and upon the facts that the documents contained such sentences as these: "We have this day sold for your account," "any dispute to be settled by the selling broker," "brokerage 1 per cent., contract cancelled or otherwise," etc.

Mr. Roche, K.C., for the claimants, said he frankly recognised that this was a brokerage form of contract; nevertheless, the claimants were principals purchasing.

Mr. Mackinnon observed that even if this was a purchase by the claimants, the property had not passed because the documents had not arrived. The terms were cash against documents.

Mr. Roche said the consignor was not a Turk. He was an Armenian, an official of the Russian Consulate at Smyrna. Lord Justice Pickford had said more than once that it created trouble and confusion if people would use the form of brokers when they were not acting as brokers, but this method was followed in Mincing Lane. These people had the one form of contract, and they used it. But they were principals; the goods were invoiced to them, drawn on them, paid for by them. They were the paymasters who paid.

Documents were put in showing offers of ten cases of Turkey opium, guaranteed to produce 11½ per cent. morphine, at 19*s.* per lb., and other quotations.

Mr. Fredk. Elliott Annison, sole partner of the claimant firm, stated that though he used brokers' forms, his business with the shipper was out-and-out purchase.

His Lordship, on the conclusion of the evidence, said so much depended on documents that he must adjourn the hearing until the following day, in order that the claimants might bring their books and correspondence-files into court.

When the hearing of these cases was resumed on Wednesday, Mr. Annison returned to the witness-box, and letter-books and journals were handed up to his Lordship. The President, looking them through, came on a note in which the consignor, Lucas Assayan, Smyrna, wrote, "I am pleased to hear you hope to do business for me" in attar of roses. Claimants wrote that the market was 35*s.* per oz., and they would have a consignment analysed and placed before likely buyers.

Answering his Lordship, Mr. Annison said they would obtain an order for attar of roses before they sold. As a matter of fact, they had never sold a packet.

Mr. Roche explained that sometimes the claimants held an order before they received the opium; sometimes they did not. In some cases they had acted as brokers; in many they had not so acted.

His Lordship inquired if Mr. Annison ever sold at a price different from that at which he bought from Assayan. He replied that he did, and without accounting for higher prices to Assayan or claiming on losses. He received twenty-five cases of opium on the *Antigone* and ten on the *Brescia*. Of these he had sold fourteen and had twenty-one in hand. None had been sold before seizure.

Mr. Mackinnon said there was an extraordinary misconception among merchants as to what a man who is a broker can do in certain circumstances when he acts as though he were not a broker. There was no contract of purchase in this case, therefore there could be no question of goods having passed to Mr. Annison.

His Lordship said he held that not only did the documents say that Mr. Annison was acting as broker, but, in fact, he was acting as broker for Mr. Assayan. Accordingly the property never became Mr. Annison's, and his Lordship condemned it as enemy property. Had it been necessary to find Mr. Annison, the purchaser, he should have doubted whether, on the evidence, the goods had passed. The goods would be condemned, with other portions of the ships' cargoes. The representative transaction which had been submitted to him to trace through the books showed the claimant charging Assayan with brokerage, and Mr. Annison had said the two cases were on all-fours.

Counsel asked for leave to enter an appeal, and for his Lordship to fix security.

The President put the security at 300*l.* in the case of the *Antigone* and 300*l.* in the case of the *Brescia*, the cargo being condemned in each instance.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

Western Medical Hall Co., Ltd. (P.C.).—Registered in Dublin. Capital 300*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. The first directors are M. J. McManus, merchant; P. J. Burke, medical practitioner; and P. D. English, M.R.C.V.S., all of Tubbercurry.

R. A. Reid & Co., Ltd. (P.C.).—Registered in Edinburgh, with a capital of 10,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of chemicals, oil of all kinds, pitch, tar, carbon, creosote, etc. The first directors are T. L. Duff, P. Hutchison, and J. G. Carruthers. R.O., 125 Buchanan Street, Glasgow.

Belgrave Nurses' Co-operative Home, Ltd. (P.C.).—Capital 4,000*l.*, in 1*l.* shares. Objects: To take over the business of a nursing-home and Nurses' Institution carried on at 96 and 98 Belgrave Road, Pimlico. The first directors are Lucy M. Shebbeare, Edith Sharman, Eliza Simkins, and Bessie Atkins. R.O., 20 Abchurch Lane, E.C.

Charmaline, Ltd (P.C.).—Capital 300*l.* Objects: To take over the business of "Charmaline & Co.," manufacturers of face-cream, toilet, chemists' and hairdressers' accessories and proprietary articles, 16 Wormholt Road, Shepherd's Bush. The first directors are E. W. Oliver, W. Vernon, and B. J. Vernon. R.O., 18 Cotherstone Road, Streatham, S.W.

Iglodine Co., Ltd. (P.C.).—Capital 15,000*l.*, in 1*l.* shares. Objects: To acquire the exclusive selling-rights for Great Britain and the whole world (the American Continent excepted) of the antiseptic known as "Iglodine," and the business of H. Eagle, manufacturing chemist, trading at Newcastle-on-Tyne as the "Iglodine Co.," together with the manufacture and sale of Iglodine specialities. The first directors are W. C. H. Church, T. H. Seed, and W. Y. Fleming.

Company News.

Magadi Soda Co., Ltd.—The report for 1914 states that the company has not yet commenced trading, the completion of the works having been seriously interfered with by the war. The profit-and-loss account for the year shows a debit balance of 5,159*l.*

Apollinaris & Johannis, Ltd.—Owing to the war, and the impossibility of preparing accounts, the dividend on preference and ordinary shares cannot be paid. The Secretary is instructed to state that there are sufficient funds in hand to pay the debenture interest for some considerable time to come. It is intended to hold the annual meeting of the shareholders about the usual time.

Virol, Ltd.—The report for the year ended March 31, 1915, states that the accounts show a gross profit of 72,428*l.*, compared with 76,260*l.* for the previous twelve months. After the deduction of debenture interest the net profit, including the amount brought forward, is 23,014*l.* The directors recommend a dividend at the rate of 12½ per cent., placing 5,000*l.* to reserve and carrying forward 10,013*l.*

Brunner, Mond & Co., Ltd.—The report for the year ended March 31, 1915, shows a balance to the credit of profit-and-loss account of 799,321*l.*, which, with 108,420*l.* brought forward, makes 907,742*l.* The directors propose to deal with this balance as follows: Dividend on the preference capital at 7 per cent. per annum, subject to deduction of income-tax and of the interim dividend paid December 31, 1914, 105,000*l.*; dividend on the ordinary capital, making 25 per cent. for the year, subject to deduction of income-tax and of the amount paid on December 31, 1914, 640,584*l.*; amount to be placed to suspense account, 50,000*l.*; amount to be written off patents account, 2,500*l.*; balance to be carried forward, 109,658*l.*

Craig & Rose, Ltd.—The fifth annual general meeting of the shareholders was held at 172 Leith Walk, Edinburgh, on May 26. Mr. James Bruce Adam presided, and, in moving the adoption of the report, stated that their trade had been greatly disorganised owing to the war, and considerable difficulty had been experienced in "carrying on." The report showed that after providing for income-tax, depreciation, and directors' fees, there remained a balance of 13,754*l.* The directors recommended, after the payment of the dividend on the preference shares, a dividend of 5 per cent. on the ordinary shares, leaving 3,754*l.* to carry forward. The retiring directors, Major H. Arthur Rose, 15th Royal Scots; Captain Hugh Rose, C.A., 7th Royal Scots; and Mr. John McNeill, were re-elected.

Births.

Authenticated notices are inserted without charge.

Greaves.—At 5 Poplar Avenue, Chesterfield, on June 1, the wife of Sydney C. Greaves, chemist and druggist, of a daughter.

Little.—At Mafeking, Rhodesia, on May 9, the wife of T. A. Little, chemist and druggist (Lennon, Ltd.), of a son.

McCreery.—At The Pharmacy, Mablethorpe, Lincs, on May 31, the wife of John McCreery, chemist and druggist, of a son.

Moore.—At Vaucluse Bay, Sydney, N.S.W., on April 12, the wife of Thomas H. Moore, Ph.C., F.C.S., Australian manager of Fassett & Johnson, of a daughter.

Marriages.

Authenticated notices are inserted without charge.

Cripps—Peters.—At St. Peter's Church, Preston, on June 1, Douglas Henry Cripps, chemist and druggist, of R. A. Cripps & Son, manufacturing chemists, Hove, to Elizabeth Persis, eldest daughter of Mr. James Peters, Brighton.

Lambert—Pocklington.—At Cawood Wesleyan Church, on June 1, Mr. Robert Basil Lambert, chemist and druggist, second son of Mr. J. Lambert, Cawood, to Annie, only daughter of Mr. R. J. Pocklington, Wistow.

McCowan—McCorkindale.—At the Windsor Hotel, Glasgow, on June 1, by the Rev. A. C. Robertson, M.A., Lochgilphead, assisted by the Rev. J. Maclachlan, St. Kiaran's, Govan, R. T. McCowan, chemist and druggist, Millerville, Ralston, Paisley, to Jane Isobella McCorkindale, L.R.C.M., second daughter of the late Rev. J. McCorkindale, M.A., minister of Lochgoilhead. [Mr. McCowan was presented by his employés, on the occasion of his wedding, with a silver rose-bowl and table pepper-grinder.]

Marsden—Pilling.—At St. Martin's, Potternewton, Leeds, on June 2, by the Rev. J. A. Pilling, brother of the bride, assisted by the Rev. Prebendary Cook, M.A., Vicar, Charles Cecil Marsden, of Hirst, Brooke & Hirst, Ltd., elder son of Mr. and Mrs. Charles F. Marsden, Leeds, to Annie, only daughter of Mr. and Mrs. A. Pilling, 12 Savile Road, Leeds.

Neely—Rump.—At Christ Church, Woking, on May 23, Lieut. Harry Johnson Neely, King's Liverpool Regiment, eldest son of Mr. Neely, West Kirby, Cheshire, to Ethyl Eveline, eldest daughter of Mr. Frank R. Rump, chemist and druggist, Bungay, Suffolk.

Deaths.

Authenticated notices are inserted without charge.

Anstey.—At South Street, Lymington, on May 22, Mr. John Upham Anstey, chemist and druggist, aged seventy-four.

Charnock.—At Rose Avenue, Blackpool, on May 29, Mr. Jonathan R. Charnock, aged seventy-three. Mr. Charnock was in business at Springfield, Oswaldtwistle, as a manufacturing chemist, and was for a number of years a member of the Oswaldtwistle Urban Council.

Church.—At Shelsley, Kew Gardens, London, W., on May 31, Sir Arthur Herbert Church, Professor of Chemistry at the Royal Academy, aged eighty-one. Sir Arthur Church was the son of a London solicitor, and was educated at King's College, the Royal College of Chemistry, and at Lincoln College, Oxford, where he gained a First Class at the Natural Science School. In 1873 he was appointed Professor of Chemistry in the Cirencester Royal Agricultural College, and six years later became Professor of Chemistry at the Royal Academy of Arts, and in the following year lecturer on organic chemistry at Coopers Hill College. He was a leading authority on the chemistry of painting, and was the discoverer of several pigments. His published works include books on agricultural chemistry, earthenware, and precious stones. He was elected a Fellow of the Chemical Society in 1856 and of the Royal Society in 1888.

Cunningham.—In Flanders, on May 24, Corporal Sidney Howard (Northumbrian Divisional Cyclist Company), eldest son of Mr. J. A. Cunningham, town representative of John Thompson, Ltd., Hanover Street, Liverpool. Corporal Cunningham volunteered for active service on the outbreak of the war. He was a schoolmaster, and had

attained a position which promised a highly successful career. Mr. Cunningham has another son (a member of the staff of a leading Liverpool shipping-office), who is in training with the King's Liverpool Battalion at Grantham.

Ferrier.—At Dundee, on June 1, David Hynd Ferrier, chemist and druggist, aged seventy-eight. Mr. Ferrier was a native of the city, and carried on business at 2 Hilltown for nearly half a century. After his education at the High School and his apprenticeship, he was for six years manager of the Wellgate Laboratory (now Mr. C. Stephens'), and for two years was with the late William Jobson (now Johnson & Adams), Murraygate. In 1866 he began business on his own account at Ladywell Place, subsequently removing to Hilltown. He took an active part in trade meetings and conferences, and was a member of the Town Council for a dozen years, during part of which time he filled the postion of a Bailie. Some years ago he took his son, Mr. J. P. Ferrier, into partnership, and the business is now carried on under the title of Ferrier & Son. Latterly Mr. Ferrier suffered from deafness, and took no active part in the business. He is survived by a widow and family of six.

Hicks.—At The Châlet, Esher, Surrey, on May 31, Mr. Osmond Hicks, of Hicks Bros., East India brokers, Dunster House, Mincing Lane, London, E.C., aged fifty-six.

Passmore.—In Flanders, on May 22, Captain H. E. Passmore, of the 90th Winnipeg Rifles, son of Mr. Chas. F. Passmore, Ph.C., 92 Portland Avenue, Stamford Hill, N.

Thompson.—At 57 Orchard Road, Southsea, on May 19, Mr. Leonard Thompson, chemist and druggist, aged fifty-eight.

Tyrrell.—Suddenly, at 146 Southampton Street, Camberwell, London, S.E., on May 21, Mr. Thomas Henry Tyrrell, chemist and druggist, aged eighty-two. Mr. Tyrrell fell dead while talking to his son, and a *post-mortem* examination showed that death was due to syncope from a fatty heart. At the inquest, held at Camberwell on May 28, the jury returned a verdict in accordance with the medical evidence to this effect.

Killed in Action.

Bell.—Near Ypres, on May 24, Lance-Corporal William H. Bell, 5th Border Regiment, aged twenty-one. Until the outbreak of the war Mr. Bell was with Mr. J. Pattinson, Ph.C., Aspatria, Cumberland.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. Ernest Ahier asks us to state that he is not in business in Jersey.

The Wedding of Mr. Stanley E. Lockyer (eldest son of Mr. J. E. Lockyer) and Miss Winifred Martin, youngest daughter of the late Mr. Charles Martin, of Maws, will take place at the church of St. John the Divine, Vassall Road, Kennington, on Saturday, June 5, at 2.30.

Certificates of Naturalisation have been granted to M. Copisarow (Russian), 5 Birch Street, Rusholme, Manchester, research chemist; Elizabeth Eissmann (German), 76 Shakespeare Road, Herne Hill, S.E., herbalist; and Dr. M. Z. Hanafy (Egyptian), "Langmere," Chislehurst.

Mr. Philip Josephs, of 93 Old Street, E.C., and Bishop's Avenue, Highgate, completed last Saturday his year of office as President of the Highgate Golf Club. He presided at the meeting, and was warmly thanked for the excellent manner in which he had conducted the business of the Club during an exceptionally trying year, and was appointed one of the four members of Committee.

The Right Hon. Sir Henry Roscoe was able to be present at the funeral of Dr. Hugo Müller last week. Both were pupils of Liebig. It is sixty years since Sir Henry was elected a Fellow of the Chemical Society, and fifty-five since he was first elected to the Council. The *doyen* of the Society is Dr. William Odling, who became a Fellow in 1848, when he was nineteen. He is now eighty-six, and Sir Henry Roscoe is eighty-two.

At the Bishop of London's Trinity Ordination at St. Paul's on May 30 among those admitted to Holy Orders was Mr. Louis Nicolas Jean Baptiste Verdier, from the University of Toulouse, who becomes Chaplain of the French Protestant Episcopal Church of the Savoy, Bloomsbury. Mr. Verdier is a *pharmacien* and until his ordination a prominent member of the St. Vincent Association. It is now proposed to elect him honorary chaplain of that body. He is the first Frenchman for many years to be admitted to Holy Orders in the Anglican Church.

Trade Notes.

"Portia 104" Respirators.—Solport Bros., Ltd., 184-190 Goswell Road, London, E.C., inform us that they have specially organised the manufacture of these respirators to meet the enormous demand which has arisen from chemists.

Price's Toilet-soaps.—We learn that Price's Patent Candle Co., Ltd., Battersea, S.W., have added to their 3*d*. series of toilet-soaps boracic lanoline, boracic oatmeal, and violet oatmeal. These are supplied to chemists on special conditions and profitable terms.

Titterton & Howard, brush-manufacturers, 8-10 Great Titchfield Street, London, W., figure in their announcement the "Kleenwell" tooth-brush, which is put up in cartons at 60*s*. per gross. The firm also manufacture hair, nail, and other brushes handled by chemists.

Vanishing Cream.—J. Knox Walker & Co., Ltd., 422 Kingsland Road, London, N.E., intimate that they have laid down special plant for the production of pink or white vanishing cream. They supply it ready for retail as well as in bulk quantities. Buyers can get samples and prices from them on application.

British Lysol.—Chas. Zimmermann & Co. (Chemicals), Ltd., 9-10 St. Mary-at-Hill, London, E.C., answer in their advertisement three questions regarding their Lysol, which, they affirm, is genuinely British made and will remain so. Generous terms are offered to chemists, and showcards, literature, and samples are provided on application.

Business Recruiting.—F. A. Degen, F.I.S.A.C., advertising specialist, suggests that the way to increase sales is to enclose in every package a "salesman" in the shape of a Midget book, the value of which is proved. Chemists are invited to send for samples of this and other advertising ideas.

W. J. Bush & Co., Ltd., Ash Grove, Hackney, London, N., specialise in the manufacture of pure fruit-essences for American soda-fountain syrups. These essences are prepared in England from pure fruit-juices; they keep perfectly and are of excellent colour and flavour. We refer chemists who desire to cope successfully with the summer-drink trade to the company's advertisement.

Display-cases.—Parnell & Sons, 44-45 Broadmead, Bristol, make a special offer of chemists' crystal display-cases at abnormally low cost. These showcases have three sides of glass and are fitted with movable glass shelves. They are particularly suitable for the display of perfumes, toilet-articles, and other chemists' goods. The specification is given in our advertisement columns, and chemists who are interested would do well to make early application, as only a limited number are available.

The Malinckrodt Chemical Works of Canada, Ltd., who, since the war broke out, have, through The Chemist and Druggist, made their products better known to home buyers, in extending their advertisements in the *C. & D.*, write from 545 Notre Dame Street, Montreal, W., as follows: "We might state that at the present time we are more interested in sending Canadians over to France than in advertising, and we want to assure you that, while we are very anxious to secure business, it all seems to be a secondary consideration over here." That is the right spirit.

N.Z. Milk-sugar.—We have referred on several occasions to the steps that have been taken to found the milk-sugar industry in New Zealand (see *C. & D.*, March 1, 1913, p. 54, and August 23, 1913, p. 40). The company which was formed two years ago is now in working order, and we have received from Tozer, Kemsley & Fisher, Ltd., 84 Fenchurch Street, London, E.C., a specimen of the New Zealand product. The New Zealand milk-sugar is a first-class article, pure white and well powdered. Those who are interested in this new product of the Dominion should write to the consignees.

May, Roberts' Traveller.—May, Roberts & Co., Ltd., 7 to 11 Clerkenwell Road, London, E.C., and 16 Westmorland Street, Dublin, have issued a special list of alterations in prices, additions, etc., since the publication of their General Price-list (February 1914). The list runs to fifty pages, Part I. dealing with sundries, Part II. with patent medicines and proprietary articles, Part III. with photographic articles and bulk drugs, and Part IV. with chemists' counter specialities. The initial page of the "Traveller" is devoted to an article entitled "The Life-history of an Order," in which "May, Roberts' Service" is described. Copies of the list will be sent to chemists on application.

International Plasmon, Ltd., 66a Farringdon Street, London, E.C., direct attention to the fact that 98 per cent. of the shareholders of the company are British, and that the directors and staff and all the Plasmon products are entirely British. We have had the opportunity of inspecting documents in proof of these statements, and we have also ascertained that it has not been necessary to deposit more than a fraction of 1 per cent. of the dividends declared since the outbreak of war with the Public Trustee under the Trading with the Enemy Act. Plasmon Food Rations are supplied to the naval and military authorities, and are used by our soldiers in the trenches. The prices of Plasmon products have not been advanced.

Gazette.

Partnerships Dissolved.

McLaren, J. T., and Tindall, F. M., Bedlington, Sleekburn, and Stakeford, Northumberland, physicians and surgeons.

Isaac, H., and De Morgan, C. W., 82 Lower Road, Rotherhithe, S.E., physicians, surgeons, accoucheurs, and general medical practitioners, under the style of Isaac and De Morgan.

The "London Gazette" of June 1 contains a notice to the effect that the permission given to Frederick Albert Glaeser and Conrad William Schmidt, trading as Conrad William Schmidt (F. A. Glaeser), to retain their warrant of appointment as varnish and enamel manufacturers to her late Majesty Queen Victoria, and to continue to display the Royal Arms, is cancelled.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

The Resumption of the Session.

The House of Commons resumed its sittings on Thursday under circumstances of the highest interest, as during the Whitsun recess a Coalition Ministry has been formed. The Government intimated that they propose to get over the difficulty created by the necessity for members who have joined the Coalition Ministry, and therefore received an "office of profit under the Crown," having to seek re-election, by introducing a Suspensory Bill for the purposes of the war period only. A Bill was also introduced creating the new office of Minister of Munitions, by providing an additional Secretary of State. The members of the new Cabinet were mentioned in the *C. & D.*, May 29, p. 50. It was stated then that Mr. Winston Churchill was expected to be the head of the Insurance Commission, but this position has been given to Mr. Charles H. Roberts, Liberal member for Lincoln City, who had a brilliant career at Oxford University, and won golden opinions for the manner in which he represented the India Office in the House of Commons, so that his retention in the Ministry was a foregone conclusion. He is now made Comptroller of the Household. Mr. Montagu has gone back to his old post at the Treasury, and Dr. Christopher Addison has left the Board of Education to be Mr. Lloyd George's right-hand man as Parliamentary Secretary for the new Office of Munitions. Much satisfaction has been expressed in Parliamentary circles at this appointment (writes our Parliamentary correspondent). Dr. Addison rendered invaluable services in connection with the National Insurance Act, and for these he was rewarded some time ago by his inclusion in the Ministry as Parliamentary Secretary to the Board of Education. Amid all the changes through which the Government has passed he retains his hold upon the Ministry, a feat which has not been shared by all his colleagues, many of whom have had a far longer experience at Westminster. Dr. Addison is M.D. and B.S. London, and F.R.C.S.

Possible New Shops Bill.

It is possible that one of the first pieces of legislation to be introduced in the House of Commons by the new Home Secretary (Sir John Simon) will be a Bill for the earlier closing of shops in all parts of the country. This Bill, which would be regarded as non-contentious, being brought forward by the Coalition Government, would (it is conjectured in some circles) assist recruiting among eligible men in the shops.

Pharmaceutical Society of Great Britain.

Council-meeting.

The monthly meeting of the Council was held on June 2 at 16 Bloomsbury Square, London, W.C. This being the first meeting of the newly elected Council, the officers were elected. Mr. E. White, Mr. E. T. Neathercoat, and Mr. W. H. Gibson were re-elected President, Vice-President, and Treasurer respectively. The new members, Mr. J. P. Gilmour and Mr. J. Keall, were welcomed to the Council by the President. Permission was given to the British Pharmaceutical Conference to hold the annual general meeting in the Society's premises on July 14. Professor A. W. Crossley and Mr. E. F. Harrison resigned their examinerships on account of war duties. In their place Mr. W. F. Gulliver was appointed as examiner for the Jacob Bell Scholarship, and Professor Jackson and Mr. C. H. Hampshire were appointed assistant examiners. Communications were received from Victoria and Queensland regarding the present unsatisfactory position of pharmacists in the Army. The inaugural sessional meeting of the School of Pharmacy is to be held on October 6.

The Councillors present were: Messrs. F. E. Bilson, A. S. Campkin W. G. Cross, J. H. Cuff, W. L. Currie, W. H. Gibson, R. L. Gifford, J. P. Gilmour, A. Hagon, J. F. Harrington, J. Harrison, J. Keall, E. T. Neathercoat, L. M. Parry, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, E. White, and J. R. Young.

Mr. E. White occupied the Presidential chair and Mr. Neathercoat the vice-chair.

Welcoming the New Members.

The minutes of the Council-meetings of May 8 and 19 were read and confirmed.

The Chairman said he had received a letter from Mr. T. A. White, regretting his inability to be present owing to pressure of business, three of his assistants having joined the Forces.

The Chairman then welcomed the two new members. Mr. J. P. Gilmour replaces another Gilmour, and if he proves as good as his predecessor he will be quite satisfactory. He is, however, no stranger, as he has played a very active part in pharmaceutical matters. He is an exemplification of the statement that "busy men have the most time to spare." Mr. Keall, the other new member, has also taken a prominent part at pharmaceutical meetings, and is presumably one of the "business men" whom a speaker at the annual meeting desired to see on the Council.

Mr. Gilmour, in reply, said that it was a lively gratification to him to become a member of the Council. It had been one of his cherished ambitions, but he had not thought it would have been realised so soon. He felt a keen sense of responsibility in accepting the position, and he thought, without reflecting on the work of the Council up till now, that the problems with which the members are faced are even greater than they have been. He had had a good training under Mr. Currie at the North British Branch, and had learned a good deal of the duties which would be required of him. Still, he claimed the indulgence of the Council, as he had much to learn. He hoped to be able to live up to the very high standard which had been set by Scotsmen on the Council.

Mr. Keall thanked the members for the warmth of the reception they had given him. He hoped that the experience gained in the administration of London municipal affairs would be of value to the Council. He regretted not having Mr. Allen as a colleague, but was proud to be his successor, and hoped he might at least be found to be a worthy successor.

Election of Officers.

The Council then proceeded to elect a President, Vice-President, and Treasurer.

The voting-papers were distributed by Mr. Chater and collected by Mr. Woolcock in the ballot-box. Mr. Woolcock then on the left of the Chairman called out the names recorded on each of the voting-papers. Of the nineteen papers, seventeen were votes for Mr. E. White, the other two papers being blank.

Mr. White thanked the Council for re-electing him and showing in this way renewed confidence. He would endeavour to give the best services he could in these troublous times.

The same process was repeated for the election of the Vice-President. In this case seventeen votes were for Mr. Neathercoat and there were two blank papers.

The President declared Mr. Neathercoat duly elected Vice-President, and took the opportunity of referring to the excellent manner in which he had been backed up by the Vice-President during the past year.

The Vice-President, in reply, said he much appreciated the compliment that had been paid in re-electing him to that office.

Mr. W. H. Gibson was next re-elected Treasurer for the sixth year running. In reply to the President's congratulations, he said his duties were pleasant, as the accounts were never overdrawn. Consequently he stands to lose nothing personally.

Other Officers Appointed.

The following officers were then reappointed for the ensuing year: Secretary and Registrar, Mr. W. J. Uglow Woolcock; Assistant Secretary, Mr. A. J. Chater; Deputy Registrar, Mr. H. Moon; Parliamentary Secretary, Mr. W. S. Glyn-Jones, M.P.; Curator, Mr. E. M. Holmes; Resident Secretary in Scotland, Mr. J. Rutherford Hill.

The Standing Orders were adopted without alteration.

Elections and Restorations.

Next six members and six associates were elected, and a number of chemists were restored to membership. One name was restored to the Register of Chemists and Druggists.

Apprentices Registered.

The Registrar reported that since the last Council-meeting he had registered thirty-nine apprentices or students.

Correspondence.

The Privy Council asked for the observations of the Council upon the annual report of the Coroner for the City of London upon the use of the term "Laudanum" for preparations other than tinctura opii, B.P. (see *C. & D.*, May 8, p. 50). Mr. Sargeant, Mr. Harrington, and Mr. Rowsell having made remarks which showed that the question is not free from obscurity, the letter was referred to the Law Committee.

The National Health Joint Committee forwarded the official reply to the deputation on April 6 of chemists regarding payment of Insurance dispensing accounts (see *C. & D.*, April 10, p. 41). This letter had been considered by the Local Associations Executive Committee on the previous evening.

The Pharmaceutical Society of Australasia and the Pharmaceutical Society of Queensland forwarded resolutions requesting the assistance of the Pharmaceutical Society of Great Britain in impressing upon the Imperial authorities the necessity of remedying the present unsatisfactory status of qualified pharmacists in the Army. The Parliamentary Secretary is to consider these communications and to report to the next meeting of the General Purposes Committee.

Letters of appreciation of the work of Mr. Glyn-Jones on the spirit-duty question were received from the Northumberland Pharmaceutical Association, the West Ham Association of Pharmacists, the North-East Lancashire Chemists' Association, the North-East London Pharmacists' Association, the Glamorgan Pharmaceutical Committee, the Grimsby Pharmacists' Association, and the Scarborough and North Riding Pharmacists' Association.

Dr. A. W. Crossley and Mr. E. F. Harrison wrote resigning their examination appointments owing to duties connected with the war.

The British Pharmaceutical Conference asked for the use of the Society's lecture-theatre for July 14. It is desired to hold the annual Conference on that date, but there will be no social functions this year. The permission asked for was given.

The Chemists' Assistants' Association thanked the Society for the use of the premises for the Association's monthly meetings during the past year, and asked that the privilege may be extended for the ensuing year. This was granted, as Mr. Woolcock said the arrangements had worked smoothly, and there had been made "no shadow of complaint."

The Agent-General for Queensland, who sent last month the sum of 625*l.* for the Belgian Doctors' and Pharmacists' Relief Fund, sent a further donation of 84*l.*

Finance.

The Treasurer then presented the report of the acting Finance Committee, which met on May 26. The receipts of the general fund during the month amounted to 844*l.* 11*s.* 2*d.*, made up as follows: Penalties and costs, 180*l.* 5*s.*; "Journal," 42*l.* 7*s.* 6*d.*; B.P. Codex, 13*l.* 10*s.*; subscriptions, 300*l.* 6*s.*; registration-fees, 92*l.* 8*s.*; restoration-fees, 1*l.* 1*s.*; certificates of qualification, 12*l.* 10*s.*; election of pharmaceutical committees, 4*l.* 5*s.* 4*d.*; sale of registers, 131*l.* 5*s.*; rent, 66*l.* 13*s.* 4*d.* The balance remained of 761*l.* 19*s.* 10*d.*, after deducting the payments ordered at the last meeting. The following amounts were recommended for payment: "Journal" and publications, 299*l.* 9*s.* 11*d.*; stationery, etc., 58*l.* 11*s.* 8*d.*; current expenses, 400*l.*; salaries, etc., 818*l.* 15*s.*; school and examinations, 59*l.* 19*s.* 1*d.*; law and professional charges, 27*l.* 15*s.* 6*d.*; house expenses, 91*l.* 14*s.* 10*d.* The balances on the Benevolent Fund were as follows: Current account, 704*l.* 3*s.* 7*d.*; donation account, 221*l.* 5*s.* 11*d.*; Orphan Fund (debit balance), 22*l.* 7*s.* 2*d.*

The Treasurer, in moving the adoption of the report, said the accounts were normal, and the finances are in a very sound condition. The balance in hand appears small, but there is 4,000*l.* on deposit. The Benevolent Fund is in a very fair condition. Donations of five guineas each have been received from the Nottingham Pharmaceutical Association and the Portsmouth Pharmacists' Association. Mr. Currie, on behalf of the Kinninmont Prize Fund Committee, also forwarded, from the surplus funds, five guineas for the Benevolent Fund and two guineas for the Orphan Fund.

The report was adopted.

Benevolence.

The report of the Acting Benevolent Fund was next presented by Mr. Rogers. The report, which recommended grants amounting to 144*l.* to nine applicants, was adopted.

Library Committee.

The report of the Library, Museum, School, and House Committee, which met on May 12, was presented by the Vice-President. Among the matters dealt with were the arrangements for the school terminal examinations, and the fixing of the date for the inaugural meeting of the seventy-fourth session for October 6. The ventilation of the pharmacy laboratory is to be improved by the installation of an electric fan, if found necessary. Professor Smith was given permission to communicate to the British Pharmaceutical Conference the result of work on unguentum iodi denigrescens, and to the Society of Public Analysts a note on bismuth phenate. An account for 10*l.* 10*s.* 6*d.* for house repairs was passed for payment.

The report was adopted.

Local Associations Executive Committee.

The report of the meeting of this Committee on June 1 was part of the report of the Acting Parliamentary and General Purposes Committee. The chief items were as follows:

The Secretary reported that the Supplementary Tariff for June had been approved by the Commissioners and distributed by the various Insurance Committees. He also explained that he was in consultation with the Commis-

sioners with regard to the greatly increased price of certain forms of medicament not starred in the general Drug Tariff. The Committee expressed the view that the representations of the Secretary to the Commissioners should be continued with a view to obtaining a more satisfactory state of affairs.

The Secretary further reported on a visit to Cheshire during the Whitsun recess.

A letter was read from the Welsh Insurance Commissioners explaining the basis upon which provisional credits for 1915 had been allocated in Wales (see p. 53).

The resolution from the London County Pharmaceutical Committee (*C. & D.*, May 22, p. 94) was submitted, and the Committee authorised the President and Secretary to interview specially the Commissioners on the point.

The views of the London County Pharmaceutical Association (*C. & D.*, May 29, p. 53) were also considered, and the Committee unanimously agreed that the substance of the communication referred to be embodied in the next circular letter to local Associations with an invitation to discuss the points raised, and to bring before the next meeting of the Conference through their delegates a decision thereon. Also that the points be placed upon the official agenda for the Conference.

A letter was read from the Executive Committee of the London County Association asking that the whole question of "breaking bulk" be taken into consideration with a view to concerted action throughout the country. The Committee recommends that a reply be sent to the Executive Committee of the London County Association that this Committee will have a thorough investigation made of the subject and present a considered case to the next Conference of Local Associations.

A memorial was submitted by Messrs. J. Hearle, J. Kirkpatrick, H. Skinner, C. Goode, E. A. Atkins, and E. Miller regarding the institution of an extended list of protected prices for proprietary articles, and after discussion a Sub-Committee was appointed to meet on June 9 the signatories of the memorial.

The Committee had under consideration the position of pharmacists in relation to recruiting for the Army. It was agreed that the President and Secretary should take such action as may be requisite to organise a systematic inquiry into the extent to which there is a shortage of pharmacists for the national pharmaceutical service

The Committee, having considered the proposals for relieving heavily discounted insurance areas, agreed that the chemists of the country be recommended to accept the "emergency settlement" for 1914 suggested by Mr. Montagu to the Pharmaceutical Deputation on April 6. It was also emphasised that until the emergency settlement had been completed the deficiencies for 1913 could not be dealt with.

EXAMINATION ARRANGEMENTS.

The other matters dealt with in the report of the Parliamentary and General Purposes Committee were the alterations required in the Minor syllabus by reason of the use of the British Pharmacopœia 1914 in the October examinations, and the appointment of examiners in place of Dr. Crossley and Mr. E. F. Harrison, who have resigned their positions owing to duties connected with the war occupying their time. Mr. W. F. Gulliver was appointed as examiner for the Jacob Bell scholarship examination, and Professor Jackson and Mr. C. H. Hampshire were appointed assistant examiners on the Board of Examiners for England and Wales.

APPOINTMENT OF COMMITTEES.

The Council then appointed the various Committees in connection with the Society's affairs. The following are the alterations: Mr. Keall serves on the Benevolent Fund and Library Committees. Mr. Campkin is placed on the Finance Committee, Mr. J. P. Gilmour on the Law Committee, and Mr. T. A. White on the Pharmaceutical Parliamentary Fund Committee.

INAUGURAL ADDRESS.

The arrangements for the inaugural address at the opening of the session of the School of Pharmacy were left with the President. Mr. CAMPKIN suggested that Mr. Purvis, who was elected an honorary member last year, would be willing to place his services at the disposal of the Council.

This ended the public business.

"THE ATOM should not be treated as a point, but as a distribution of electrons in space."—*Professor W. H. Bragg in "Nature."*

General Medical Council.

THE Council began the second century of its periodical meetings on Tuesday, June 1, at its headquarters, 299 Oxford Street, London, W., which it has occupied so long, but which will cease to be its home after this year. Consideration *in camera* of the "Report of the Office Site Committee" has figured on the programme for some time past. This session the President announced in his address that a new and commodious building, designed by Mr. Eustace Frere, A.R.I.B.A., in Hallam Street, near Portland Place, has already reached its first floor, and the Council expects to enter into occupation at the end of the year. The present buildings have been sold to advantage. The Registrar (Major Norman C. King) was in his place, back from France and Flanders, where he has shared in the gallant deeds of the London Rifle Brigade. He was invalided home some months ago, but is now sufficiently recovered to resume his duties for the Council. He has doffed his khaki, but Dr. Saundby's uniform gave an unwonted touch of splendour to the professional sobriety of the assembly which has been missing since it was graced by the fancy waistcoats of the late Dr. Thorne. A letter of apology for non-attendance was read from Dr. Hepburn, detained by his duties as officer in command of the hospital at Cardiff. Two former members were welcomed back: Sir Arthur Chance resumes his old seat as representative of the Royal College of Surgeons in Ireland on the completion of Sir Lambert Ormsby's term of office; Sir Bertram Windle, who represented the University of Birmingham, and first joined the Council in 1900, takes a place on the Council again in succession to the late Sir Christopher Nixon, from the National University of Ireland. The President recorded with regret the death of Mr. Thomas Bryant, who retired in 1904, after thirteen years of service as Treasurer of the Council. The President dwelt in his address on the prompt and generous response made by the medical profession to the demands of national duty, and the efforts being made to liberate all who can be spared from civil practice for medical service in the Army and Navy. The services of qualified women have been freely offered and accepted; senior students enrolled in the combatant ranks have been recalled by the War Office so that they may complete their medical curriculum for service in the R.A.M.C. A large number of qualified Colonials have come from overseas, and about sixty Belgian doctors have become legally qualified to practise. These sources must, if possible, be supplemented, as a falling-off of some 250 students per annum must be expected. The President had communicated with the various medical authorities of the provinces of Canada with reference to the removal of provincial registration restrictions, with the result that the Medical Act, 1886, will shortly be applicable to the whole of the Dominion, as it is now open to the Commonwealth of Australia, and the medical federation of the Empire will be complete.

The President said, with regard to

THE PHARMACOPŒIA:

"The British Pharmacopœia 1914, was duly published in accordance with your instructions on December 31. The first issue of 20,000 copies is nearly exhausted. Steps have been taken for the preparation of a second issue, in which a few typographical faults, noted in the first issue, have been corrected. As you are aware, the Pharmacopœia Committee endeavoured to adapt the work to the general requirements of the British Empire, and at the same time to harmonise its directions with those of the States which were parties to the International Agreement of 1906. The reception accorded to the new Pharmacopœia, both in the British Dominions and in foreign countries, encourages us to hope that our efforts have in a large measure been successful. The Government of India has intimated that a special edition, such as was prepared in 1900 for Indian use, will no longer be necessary in that country. The Belgian Government, notwithstanding its present difficulties, has courteously undertaken the duty of intimating to the signatory Powers the publication of the British Pharmacopœia, and the manner in which effect has been given therein to the recommendations of the International Agreement."

At a later stage of the proceedings the Pharmacopœia Committee was appointed—viz., the President (Chairman), Dr. Norman Moore, Sir George Philipson, Dr. Caton, Dr. Barrs, Sir Thomas Fraser, Dr. Cash, Sir John Moore, and Sir William Whitla. These are the same as are mentioned in the B.P., 1914, p. xxi.

Mr. Tomes brought up the report of the Finance Committee, which shows a satisfactory surplus of over 2,000*l*.

BELGIAN MEDICAL MEN.

The following resolution of the Executive Committee was received and entered:

"That, so long as the Order in Council of January 1915 remains in force, any person who produces satisfactory evidence to the Registrar that he has obtained the degree of Doctor of Medicine in the Belgian Universities of Brussels, Ghent, Louvain, and Liége, and is legally authorised to practise medicine, surgery, and midwifery in Belgium, shall be entitled to register in the foreign list of the Medical Register."

A similar resolution with regard to dental practitioners was also received and entered.

PENAL BUSINESS.

It is doubtful whether the penal business was ever before taken in hand on the opening day. This session, however, the Council found time to set to work on the postponed case of Mr. V. C. Mallan, of 106 Edgware Road, W., a dentist in practice before 1878. The complaint brought by the British Dental Association was that of advertising. The Council have investigated the matter with the most conciliatory care, the Committee having reported three times, and Mr. Mallan has been twice given the opportunity of reconsidering his position. The first time, though he had ceased to issue cards and pamphlets, he declared he would rather be off the Register than remove the shelves of teeth from his window. On his third appearance before the Council, however, he was able to state that all advertisements had ceased, and the Council therefore did not see fit to erase his name from the Dentists Register.

Another dentist, G. W. Hammond, also in practice before 1878, whose address was registered as at 56 Kennington Causeway, but who was found to be at Rowton House, Newington Butts, was an incorrigible. He had been convicted and imprisoned for stealing potatoes, for attempting to steal goods from a Church Lads' Brigade clubroom, and for being upon enclosed premises for an unlawful purpose. He did not appear before the Council, and his name was ordered to be erased from the Dentists Register.

The proceedings opened on Wednesday with the consideration of the case of Alexander Orford Schorn, M.B., C.M. Edin., Sacriston, Durham, who had last June been found guilty by the decree of the High Court of Justice, made absolute in January, of committing adultery with a Mrs. Collins, whom he was attending professionally. Dr. Schorn now defended himself before the Council, declaring that he had been unfairly dealt with all through on account of his nationality (Anglo-Indian), but after consideration *in camera* the Council directed his name to be removed from the Medical Register.

Alfred Bertie Kramer, L.R.C.P., M.R.C.S., King's Cliffe, Wansford, Northants, was summoned to appear before the Council on the charge that he had systematically canvassed for patients by visits made personally, and by a Mrs. Sauntsom on his behalf, to residents in a neighbouring village who were patients of a rival doctor, Arthur Samuel Stokes. Mr. Stokes, M.R.C.S., L.R.C.P., Weldon, Kettering, was the complainant. Both doctors were accompanied by their solicitors, and the hearing of the case was continued until 6.15 P.M., when the Council sat privately. On resuming on Thursday, Mr. Kramer's solicitor withdrew from the case, and Mr. Kramer, being too ill to conduct it himself, the Council postponed further proceedings until next day.

PHARMACISTS AND THE MEDICAL PRELIMINARY EXAMINATION.

The following report from the Education Committee was approved:

A request has been put forward by the Pharmaceutical Society of Great Britain for the recognition, for the purpose of admission to the Students' Register, of the certificates attesting the Preliminary examination of qualified pharmacists desirous of attaining a Licence in Medicine: and, further, for the recognition in the medical curriculum of the classes taken and the examinations in medical subjects passed by qualified pharmacists in their special course of instruction.

These proposals are made in view of the present "shortage of medical men and the possible emphasis of that shortage in the near future."

The Committee would point out that the Society has no Preliminary examination of its own, and that among the examinations which it recognises there are many which are not accepted by the Council, on the ground that their standard is not sufficiently high.

The professional course embraces botany, physics and chemistry, and materia medica and pharmacy. These subjects are studied chiefly from the point of view of their practical application to pharmacy, and the examinations appear to be amply sufficient for that purpose.

The question is one which does not seem to call for any action on the part of the Council, as machinery already exists in the Students' Registration Committee, under which candidates whose Preliminary examination is in any respect incomplete may have *pro tanto* recognition extended to those portions which are satisfactory.

So far as the recognition of the professional course is concerned, the matter is primarily one for the consideration of the licensing bodies, who have power to recognise any courses of study and examinations, other than the Final or Qualifying examination, which in their opinion is equivalent to the course of study and examinations prescribed for the medical curriculum.

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115/43. Noad's (or Hoad's) Cockroach Powder.
117/57. Eau Germol.
117/58. Eau Sybeline or Sybiline.
118/52. "Unicorn" corn-remover sticks.
118/7. "Klepalo," cream of tartar substitute.
119/1, 112/5. Frinkler's Hygienic Mixture.

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Oil-extraction plant, 113/69
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Parker's (Prof.) hair preparations, 116/42

"THE SPECTRA which are obtained by the diffraction of x rays by crystals are characteristic both of the substance which emits the x rays and of the crystal which acts as the grating."—*A. H. Compton in "Nature."*

Observations and Reflections.

By Xrayser II.

Criticism,

according to Matthew Arnold, is the free play of mind round every subject it touches, and its function is to make the best ideas prevail. Such criticism is necessarily destructive of false ideas, and if mine has been so I have no reason to be ashamed of the fact. But, with deference to my critics, I deny that I have in these notes aimed chiefly at fault-finding, or failed to attempt construction when occasion served. My persistent defence of the Insurance Act in the teeth of hostile criticism is a sufficient answer to such charges. This, however, is by the way. I have now to defend

A Constructive Policy,

to which Mr. Cecil Owen objects that it is parochial, and puts an artificial handicap on merit. Now, Mr. Owen has a scheme of his own, and possibly he has not let his mind play quite freely round mine. He seems to come to it with the preconceived notion that territorial representation would have quite a different result in pharmacy from what it has in municipal and national affairs. He gives no reason why in the one case any more than in the other we should prefer "a local nobody" to a distinguished man living fifty miles away, and none can be given. Other things being equal, a local man is preferable in both cases, if representation is really our object, but one suspects that Mr. Owen is not anxious for representation as such. He wants what he considers

The Best Elements of Pharmacy

to be represented, and he fears that these would be swamped by the territorial scheme. Well, I have more faith in my fellow-pharmacists than he, that is all. I do not believe that intelligence and public spirit are confined to the metropolis, or even to the larger towns. My impression is that London is the most parochial-minded place I have yet struck, and I am sure that Mr. Owen, to go no further, has as large ideas in his head as any pharmacist of the West-end. The worst of large ideas is that they need constant correction by facts, and for getting at facts there is nothing like direct contact with all sorts and conditions of men. And even if it be granted that small places breed small minds, it is certain that in any scheme of territorial representation that might be adopted the great centres of population and intelligence would have a preponderating influence.

The Executive Committee

of the London County Association appears to have attended strictly to business at its meeting of May 25. Every item of the resolution proposed by Mr. Milner will recommend itself to the trade generally, and it is to be hoped that the Local Associations Executive Committee will follow suit. There is a little vagueness in the phrase "does hereby pledge itself to work definitely to bring about the undermentioned reforms," and whatever force the pledge may have is weakened as regards any particular reform by the multifarious character of the list; but perhaps a fuller report would have shown what steps it is proposed to take in the case of each of them. The abolition of the discounting clause is in a different category from the rest; are we to understand that the Committee is pledged to follow the President's lead here? The reduction of the hours of business is a very complicated matter, and one is not surprised to find it referred to a Sub-Committee for consideration. With regard to breaking bulk and the profit on proprietaries, I am heartily in agreement with the resolution, as I have, in effect, said before now; are the members of the Committee prepared individually to act in the spirit of items (*c*), (*d*), and (*e*)? I hope so. The "absolute refusal" of item (*f*) is demanded from us by every consideration.

The Independent Attitude

taken up by pharmacists in relation to trade and professional concerns, and ridiculed so effectively by Mr. Jenkin in his useful article, is well illustrated by your page devoted to stock mixtures taken from a number of Insurance Pharmacopœias. To a stranger from Mars it would surely seem an impossible feat to find twelve different formulæ for one and the same purpose. Yet here we have them. Twelve separate Committees have incubated the same idea, and the result is that twelve Pharmacopœias have each a different coloured chicken to show. I have previously commented on the strange phenomenon that we have a volume—to wit, the B.P.—claiming to represent the wisdom of the nation, yet when it comes to the test of using its formulæ we are almost unanimous in ignoring it. Surely in a simple matter of this kind we might have had at least "the semblance of association."

The Stock Prescription

is evidently now to be the salvation of the panel doctor, and the next and perfectly obvious step is to instruct the panel patient that he is to catch the stock infections and take the stock diseases! The one idea is just as feasible as the other, but what must not by any manner of means be allowed is that the pharmacist should put the same idea into practice. I wonder whose ethereal brain evolved the motion which Mr. Neathercoat fathered so ingenuously at the Surrey Insurance Committee? Why are we to have a Pharmacopœia, yet be forbidden to use it in a perfectly legitimate way? It is just as if the General Medical Council were to say, "We have published a B.P., but it is solely for the convenience of the doctor, to save him trouble, but you pharmaceutical *canaille* must not take advantage of it. When the doctor writes Pil. Rhei Co. you must not use ready-made pills, but make them up fresh every time, and the same thing when any other B.P. preparation is called for." This would be no more absurd than the position taken up by Mr. Neathercoat. Insurance Formularies have not been published simply for the love of the thing, and, whatever the doctors may say, pharmacists will take good care to see that they are put to a definite and profitable use.

A Chamomile-industry

is perhaps a feasible scheme, always presuming there is a sufficient demand for the flowers. I can recall the days of my boyhood when the chamomile-heads were carefully picked every year and laid out to dry. I am not sure whether the flowers were ever sold, but I know they were freely given away, and they were certainly used with painful regularity. If there was one thing I hated more than going to school it was a dose of chamomile-tea, and the certainty of such a dose was sufficient to banish at once any thought of finding an excuse for staying at home. Chamomile is quite easily reared, and, being a hardy perennial, it gives little trouble, while a few simple instructions would be sufficient to enable anyone with suitable ground to spare, and with a certain amount of leisure, to carry on the industry on a small scale.

Fruit Salt

doubtless owed its success mainly to its merits, but the name counted for a good deal of it. Robert Louis Stevenson, who had an exaggerated notion of the importance of words, thought it accounted for it altogether, but this was going too far. Still, the name was an important factor, and probably the unusual name of the inventor helped its effect; I know at least one woman who chose Dinneford's magnesia instead of Murray's because of something magical in the name! "Fruit Salt" is admirable; it is not too descriptive; it suggests, but does not define; it appeals to the imagination rather than to the reason; it has a large and liberal sound. The late Mr. Eno earned his success, but probably he owed it as much to what may properly be called his sense of "spiritual values" as to what are usually regarded as business aptitudes.

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Editorial Articles.

Spirituous Medicines.

II. Official Conditions.

In commenting last week upon Clause 2 (*a*) of the Finance (No. 2) Bill, we assumed that the phrase "Mixtures, compounds, or preparations which on importation are charged with duty" referred solely to medicinal preparations imported, thus establishing differentiation from such mixtures, etc., as are liable to duties of Excise. It has since been pointed out to us by a pharmacist for whose opinion we have great respect that the Customs surtax and the Excise surtax are the additional duties referred to in the sub-clause, so he says there is no differentiation of the Customs and Excise duties on such preparations. We agree that this is a reasonable deduction from the wording of Sub-clause (*a*), but there is nothing in the Finance (No. 2) Bill, nor in the Immature Spirits Act, to enable home manufacturers of mixtures, etc., to get delivery of rectified spirit free from the additional duty of 1*s.* 6*d.* per proof gal. Moreover, Sub-clause (*b*) provides for a rebate of the additional spirit-duty paid in respect to spirit used solely in the manufacture of articles for medical purposes which are so recognised by the Commissioners of Customs and Excise. Granting, for the sake of argument, that the additional duty of Excise is included in (*a*), this sub-clause would then establish the principle that mixtures, etc., are not to be surtaxed, and, as stated later in our article (second column, p. 49, last week), it might be made to cover rectified spirits used for the purposes of Sub-clause (*b*). We have turned for light on the matter to the instructions issued by the Commissioners to officers as regards rectified spirits. As explained in our issue last week, p. 51, requisition notes have to be filled up by applicants for S.V.R., and the form actually used is the same as has been employed for industrial methylated spirit requests. The applicants may be any person, hospital, firm, or body corporate covered by the Immature Spirits Act, Section 1, who wishes to draw his supplies of the spirit by direct import, or from a distillery, warehouse, or a rectifier. The application for a form of requisition has to be made in writing to the

Surveyor in whose district the applicant's premises are situated. The application must state the precise purpose or purposes for which the spirits will be used, and the manner in which it is intended to use them. The Surveyor must fully satisfy himself by inquiry that the applicant is a registered medical practitioner, or a person *bona-fide* carrying on one of the businesses mentioned in Section 1 (i) of the Immature Spirits Act, and requires the spirits for his own manufacturing purposes, or is a responsible official of a hospital or public scientific institution. When so satisfied the Surveyor issues to the applicant a book of requisition-forms. The obligations placed upon such authorised receivers of the spirit by requisition are thus set forth :

Every person authorised to receive spirits must keep a stock-book in such form, and make such entries therein, as the Board may prescribe. For the present he must enter the date, bulk quantity, strength, and proof quantity of each consignment of spirits received; and the date, bulk quantity, strength, and proof quantity of spirits sold or used, the name, address, and business or profession of the person to whom they have been sold, or the purpose or purposes for which they have been used. The several particulars must be entered in the stock-book within forty-eight hours of the receipt, sale, or use, whenever required by an officer.

Provision is also made for balancing the account periodically, and this is to be every three months in the case of medical preparations. The only point in this order bearing upon differentiation of Customs and Excise is that it gives the negative to the supposition that the spirit is received free from the additional duty, for, if so, there would be little, if any, need for imposing all this new and elaborate clerical work upon manufacturers. As already indicated, they would prefer paying the duty outright without rebate, it being generally felt that it will give more bother than it is worth. Anyway, it is the fact that wholesale houses are not in love with the business, and it is felt that some modification should be made in Clause 2 of the Finance Bill, so as to provide for a simpler method of working than the rebate system.

The views expressed in the foregoing, and in our Editorial article on the same subject last week, are fully supported in the following statement which we have received for publication :

"By the incorporation in the Finance (No. 2) Bill of a provision for a rebate of the surtax in respect of spirit used in the manufacture or preparation of any article recognised by the Commissioners of Customs and Excise as an article used for medical purposes, in the absence of any indication as to how such a clause is to be interpreted, a position of considerable difficulty has been created; and especially is this so for wholesale druggists who have been in doubt as to what sort of interpretation would be put upon the words "recognised as an article used for medical purposes."

With a view to relieving the situation, Mr. J. C. Umney and Mr. C. A. Hill, as representing the drug-trade, recently addressed the Chancellor of the Exchequer, at whose request Mr. Umney and Mr. Hill had a consultation with Sir Arthur Tedder and Mr. W. Gallagher, I.S.O., Chief Inspector of Customs and Excise. At this meeting, which took place on Wednesday, June 2, the rebate question was discussed in all its bearings, particularly in regard to the nature of the articles which would be subject to rebate, it being regarded as certain that the Bill containing the clause providing a rebate in favour of medicines would duly pass into law. We understand that Sir Arthur Tedder expressed himself as being inclined to take a liberal view of the wide powers conferred upon the Commissioners, and thought that the rebate would apply to any spirituous preparation used solely for medicinal purposes. Thus a manufacturer would be able to obtain repayment of the surtax of 1*s.* 6*d.* per proof gal. in respect of any spirit which he could prove to the satisfaction of the Customs officials had been used in the manufacture or preparation of any article used *bona fide* and exclusively for medicinal purposes, and in respect of which the said surtax had been duly paid. Perfumes, toilet articles, flavouring essences, and flavouring spirits would not be amenable to rebate. To the latter class of excluded articles must in all probability be added tincture of orange, tincture of lemon, and the spirits of anise, cinnamon, lavender, and peppermint, together with any other spirituous preparations which are used sometimes for medical and sometimes for other purposes. Clearly it behoves all wholesale druggists and others who propose to avail themselves of the rebate to keep clear records of all the spirit they receive and of the purposes for which it is used."

It will be observed that these observations corroborate our statements, but they touch indirectly only the point upon which we fear that further confusion is likely to arise—viz., the phraseology of Sub-clause 2, providing for non-payment of additional Excise duty. In practice this will work out as rebate. Cannot this be modified while the Bill is before Parliament?

Potential Pepper.

We notice the arrival of 666 bags of ground olive-stones from Leghorn. This is principally used for the adulteration of pepper, gentian, and other powdered vegetable drugs. Buyers, therefore, should take note.

"No. 2 Bill."

The whirligig of time makes strange coincidences. The British drug-trade is to-day specially interested in a No. 2 Bill, that dealing with finance. Exactly fifty years ago another No. 2 Bill was before the trade—the Pharmacy Bill promoted by the United Society of Chemists and Druggists—and the principles of it were preferred by the Select Committee to those of the Pharmaceutical Society's Bill (see the Retrospect on the last page of this issue). Nowadays, pharmaceutical folks are forgetting those old events, and the bitterness with which was resented anything good that did not originate in Bloomsbury Square, so that we may with perfect equanimity recall the fact that what the Select Committee did on May 15, 1865, was the making of the Pharmaceutical Society financially and officially, but it has taken the greater part of the half-century for the Society to realise this.

Breakdown of Article 40.

Article 40 of the Insurance Medical Benefit regulations is a check upon excessive prescribing by panel practitioners. It is the embodiment of Mr. Lloyd George's idea of putting the panel chemist to catch the panel doctor running away with money, so to speak. But no matter how grossly panel doctors may offend, and however complete the evidence to that effect may be, none can be brought to book without the sanction of their fellow practitioners the Panel Committee. There is plenty of evidence that the article is not a success, and we furnish this week (see p. 52) most convincing evidence that it is a complete failure in London—the largest insurance area in the country. The Panel Committee now says in effect that it cannot investigate the charges brought by the Pharmaceutical Committee against panel doctors, and it asks the powers that be to limit the investigation both in scope and time. Moreover, the Panel Committee desires to discontinue as from December 13, 1915, its share in the joint arrangement with the Insurance and Pharmaceutical Committees for checking prescriptions, on the ground that the checking is the duty of the Insurance Committee, and the most important part from the medical point of view is not touched. It looks, therefore, as if panel doctors are to go one way and panel chemists another.

Harmaline, Harmine, and Quinine.

The "Indiaman" reports that experiments have been carried out among certain prisoners in Lahore Central

Gaol with a view to testing the value of the hydrochlorides of harmine and harmaline, alkaloids from the harmal plant, as substitutes for quinine in the treatment of malaria. It was ascertained that when using these drugs the parasites remained in the blood eight or nine days longer than when the patient was treated with quinine, and another disadvantage is that the drugs are unpleasant to take, producing feelings of nausea and giddiness. Harmal is *Peganum Harmala*, L., a rutaceous plant, from the seeds of which Göbel in 1837 isolated harmaline, $C_{13}H_{14}N_2O$; ten years later Fritsche isolated harmine, $C_{13}H_{12}N_2O$, and both these were studied in 1886 by Fischcher and Täuber, who found that by treating harmaline with nitric acid harmine is obtained. Harmaline is stated to exist in the seeds as phosphate. It should not be confounded with harmalin, a synonym for fuchsin. It is obvious that the Lahore experimenters have proved the alkaloids to be of no importance, and it would be interesting to know why they have resurrected them after such a long period of neglect.

Pulvis Fluens Hydrargyri.

Professor P. G. Unna has published ("Dermatol. Wochenschrift," 1915, p. 337) a long article on mercurial powder as a substitute for mercurial ointment. He first deals with the various methods employed for completely dividing and distributing the mercury, recalling one of the most efficient—viz., the trituration of the mercury with a small portion of old mercurial ointment. Professor Unna has found in old mercurial ointment 0.9 per cent. of mercurous oxide, 1.76 per cent. of mercuric oxide, 1.47 per cent. of mercurous oleate, and 3.83 per cent. of mercuric oleate, thus confirming the old theory that oxidation-products accelerate the division of the mercury. He has endeavoured to prove that these oxidation-products act as catalysts in the process, readily transferring atmospheric oxygen to the mercury, and has shown that loosely bound oxygen exists in the fatty mass. He suggests, as the result of his experiments, that the quicksilver covers itself with a thin layer of oxide, which prevents it from flowing together, and that the catalytic process is promoted by the presence of substances such as exist in old mercurial ointment, turpentine, turpentine oil, eucalyptus oil, lanoline, eucerin, and lead plaster. According to former researches of Professor Unna, lycopodium is the vehicle which includes most air. Turpentine is also an excellent medium for transferring atmospheric oxygen, only being equalled in this respect by eucalyptus oil and thymene. Professor Unna, therefore, endeavoured to triturate mercury with lycopodium and turpentine oil, and the result was quite surprising. In a moment's time a dry uniform yellowish-grey powder was obtained, in which the mercury remained completely divided, even when the turpentine oil had partly evaporated, and which can easily be reduced to fine powder. By means of this "pulv. fluens hydrargyri" mercurial plasters and ointment can be easily prepared. Professor Unna considers that this discovery will cause a radical change in external quicksilver therapeutics. The powder can be applied to the skin without the addition of fat, and this method of application is an excellent means of combating vermin. A 33-per-cent. mercurial powder can be prepared without difficulty.

Saccharin in Aromatised Castor Oil.—The U.S.A. Bureau of Chemistry states that the term "aromatised castor oil" on a label is not considered sufficient to fulfil the requirements of the Federal Food and Drugs Act in describing a castor oil containing saccharin in addition to certain aromatics. The label should also plainly show that the article varies from the pharmacopœial standard for castor oil, in that it is sweetened with saccharin.

Fly Exhibition.

In connection with the house-fly campaign an interesting exhibition is being held in one of the buildings at the Zoological Gardens, Regent's Park, London, N.W. The exhibits illustrate methods of destroying flies and fly maggots, and the substances used for the purpose, as well as the life-history of the fly. The methods of destruction which are recommended are (1) for treating rubbish-tips and manures, chloride of lime, sulphate of iron, either powdered or in 20-per-cent. solution, miscible mineral oil of 3 to 5 per cent. strength, borax or colemanite (the latter is crude calcium borate, but not obtainable in this country), slaked lime, potassium permanganate, or sodium arsenite; (2) for use indoors, formalin, alcohol and water; (3) as deterrents, pyrethrum, paraffin, miscible oil, creosol, or carbolic acid. The following formulæ are also recommended:

I.

Sodium arsenite	2 lb.	1 lb.
Honey	—	2 lb.
Treacle	10 lb.	2 lb.
Water	10 gals.	2 gals.

These are intended for spraying outside walls or canvas of hospitals, barracks, or tents, but must not be employed in positions within the reach of children or animals. They are used in the evening or early morning.

II.

Formalin...	¾ oz.	1 oz.	1 oz.
Water	1 pint	5 oz.	½ pint
Milk	—	3 oz.	½ pint
Sugar	—	1 oz.	—

These solutions are distributed in shallow vessels in light places with a crust of bread placed in each vessel. These traps are set out over-night. The solutions are also employed by sprinkling on floors where animals are not likely to lick them up.

A large number of fly-traps are shown, and as baits for these are recommended (1) vinegar with sugar and a little bread, (2) formalin in conjunction with fresh beer, milk, or bread, (3) fresh beer, (4) alcohol and water (1 in 20) with bread, (5) slice of banana to increase attractiveness of fly-papers, (6) for blow-flies, a piece of meat. The commercial exhibits are as follows:

Apothecaries' Hall, Blackfriars, London, E.C.—Chemicals.

S. Bowley & Son, Wellington Works, Battersea, S.W.—Flybane and miscible oil.

Edw. Cook & Co., Ltd., Bow, E.—Cofectant powder.

W. Cooper & Nephews, Berkhampstead.—Flykyl.

A. C. Dodard, Marnhull, Dorset.—Insect-traps.

R. E. Evans, Stratford-on-Avon.—Flyocide.

Finch's Fly-papers, Ltd., Fulwich Road, Dartford.—Fly-traps.

Four Oaks Spraying-machine Co., Sutton Coldfield.—Sprayers.

Gas Light and Coke Co., Ltd.—Carbolic acid, No. 1 soluble creosote, pyridine bases.

D. & W. Gibbs, Ltd.—Insectol and insectol cream.

H. Hartjen & Co., 35-37 Noble Street, London, E.C.—Spraying-apparatus.

Heppell & Co., Piccadilly, London, W.—Antifly spray.

Johnson & Sons, Ltd., Cross Street, Finsbury, E.C.—Carbolic acid.

Kay Bros., Ltd., Stockport.—Flysac fly-catcher.

Radium Cleanser Co., Ltd., 101 Bunhill Row, London, E.C.—Radium sprays.

Quibell Bros., Ltd., Newark.—Novol.

Dr. Louis Robinson, 16 Killieser Avenue, Streatham Hill, London, S.W.—Fly-racket with detachable burning-bags.

Professor Lefroy, lecturing at the Exhibition on Wednesday, made recommendations which are embodied in the above notes.

"The Chemist's Dictionary of Synonyms and Trade Names."—Uniform with the "Chemist's Dictionary." Contains 220 pages. Price 2*s.* 6*d.* net, by post 2*s.* 8*d.*, from the *C. & D.* Book Department, 42 Cannon Street, London, E.C., or leading wholesale houses.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Insurance Dispensers' Notes.

The feature of the National Insurance Act as a statute is that it sets up one party against another from beginning to end. Thus the insured person is put against every other body, Approved Societies against the doctor, and the latter against the chemist, and *vice versa*. The doctor is the pivot upon which the benefits of the Act revolve. If he works conscientiously and carefully, the revolutions are on an even plane within the prescribed limits. Where, as occasionally happens, the doctor does not exhibit care and attention, the damage done is so considerable as to jeopardise the success of the Act. The difficulty is to provide means which shall so govern the conduct of the practitioner as to ensure continual smooth working. It is not the chemist's duty to evolve the means, but it is to his interest to see that they are evolved. Under the present regulations he may be a considerable sufferer through the vagaries of a few prescribers. Machinery exists and is in constant operation whereby various irregularities affecting the issue of prescriptions, as well as their reasonableness, can be readily discovered. The chemist is the person who must lodge a reasoned complaint in respect of irregular prescribing—that is, he must do something likely to affect his personal relations with the local doctor. Such complaint must be forwarded to the Panel Committee, who are then obliged to consider it. The Panel Committee may on their own initiative make investigations, but they may refuse to make an inquiry where a complaint of alleged extravagance is lodged by the Insurance Committee. Are chemists satisfied with this machinery? I think not. What say you?—*Clericus.*

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

ENGLAND.

Inquiry about a Panel Practitioner.

A Committee of Inquiry, appointed by the Commissioners, sat at the offices of the Commission, Buckingham Gate, London, W., on May 31, to hear a representation by the London Insurance Committee, that the continuance on the panel of Dr. Barron Norman Sinclair, 195 Queen's Road, London, W., would be prejudicial to the interests of the insured. The Committee of Inquiry consisted of Mr. J. Fischer Williams (Chairman), Dr. Brackenbury, and Dr. Fleming, with Mr. E. MacGowan (Clerk). Mr. T. Mathew conducted the case for the London Insurance Committee. Dr. Sinclair was not present nor represented.

Mr. Mathew, in opening his case, said that the charges were that on certain dates in February and March 1914 Dr. Sinclair had failed to attend at his surgery at 195 Queen's Road, W., or to make arrangements for the attendance of another medical man, with the result that certain of his insured patients were gravely prejudiced. In the two cases with which he had to deal the insured persons failed to find Dr. Sinclair at his surgery at the hours mentioned in his agreement with the Insurance Committee, and the doctor failed to attend these patients at their homes in response to messages left with the caretaker at the surgery, so that they had to call in other practitioners. There had been previous complaints against Dr. Sinclair, which had been substantiated before the Medical Service Sub-Committee, and Dr. Sinclair had been censured by the Insurance Committee.

Mr. Mathew called several witnesses, including two panel patients of Dr. Sinclair, who gave evidence supporting the statement. Mr. J. C. Gilbert, Senior Clerk to the London Insurance Committee, also gave evidence, and the Chairman announced that the decision of the Commissioners would be issued in due course.

Barrow-in-Furness.—The Finance and General Purposes Sub-Committee reported to the Insurance Committee on May 26 receipt of letters from the Panel and Pharmaceutical Committees protesting against the reduction in the quarterly advances. It was decided to forward copies of the letters to the Commissioners along with a letter pointing out the special circumstances of the area, and asking permission to make increased payments in future.

Bath.—At a meeting of the Pharmaceutical Committee on May 25, Mr. E. W. Loveless presiding, the Secretary reported that the final settlement by the Commissioners has reduced the deficiency for 1913 to 20*l.*, but the prospect of chemists obtaining any of this is very remote. With the provisional settlement 85 per cent. of the chemists' bills have been paid for 1914. It is thought that accounts will be settled in full ultimately. The payments for 1915 are: January, 12*s.* 4*d.*; February, 9*s.* 10*d.*; March, 12*s.* 6*d.*; and April (to be paid in a few days), 19*s.* 10*d.* in the pound. The Insurance Committee has agreed to pay 127*l.* (one-twelfth of 85 per cent. of the available money) each other month of the year, to be divided among the chemists according to the amount of their bills.

Birkenhead.—The Insurance Committee has adopted recommendations made by the Panel Committee in regard to excessive prescribing, with a view to conserving the Drug Fund, and has appealed to practitioners for co-operation.

Birmingham.—A report recently presented to the Insurance Committee states that during the first four months of 1915 328,900 prescriptions (value 8,043*l.*) were dispensed, compared with 392,205 (value 14,723*l.*) in the corresponding period of 1914.

Bolton.—A meeting of the Insurance Committee was held on May 24, Councillor Percy Knott (chemist) in the chair. It was reported that the number of prescriptions for the quarter ended March 31, 1915, was 68,950 (value 2,172*l.*), compared with 80,726 (value 2,637*l.*) in the similar period of 1914. The average number of prescriptions per person on the doctors' lists was 0.95, against 1.13. After examination of prescriptions submitted by the Pharmaceutical Committee, the Panel Committee reported that in their opinion no excessive demand on the Drug Fund had arisen in these cases, and they recommended that no action be taken. The Medical Benefit Sub-Committee recommended that the Panel Committee deal specifically with each case and give explanations of the investigations made.

Buckinghamshire.—The Panel Committee has decided to ask each panel practitioner to send in formulæ for about a dozen stock mixtures used by him, with a view to compiling a local Formulary for the county.

Essex.—The Panel Committee has issued a "N.H.I. Pharmacopœia" for the use of doctors and chemists. It contains thirty-three mixtures and two lotions, the formulæ for the former being given for 12-, 8-, and 6-oz. quantities. The formulæ are priced to serve as a guide to relative prices, and in the preface are given notes for practitioners on economical prescribing. It is specifically stated that the mixtures included in the Formulary are not intended to be used as "stock mixtures," of which the Panel Committee disapproves, and there will therefore be no reduction in dispensing-fees for the mixtures included. The Formulary is of a convenient size, suitable for slipping into the pocket of the prescription-book behind the "Tab" on the forms. The Insurance Committee will send to each chemist monthly revised prices of the Formulary preparations.—The cost of checking prescriptions for the county has worked out at 9*s.* 9*d.* per 1,000.

Gloucester.—It was reported to the Insurance Committee on May 31 that additional credits received from the Commissioners would enable the Committee to settle chemists' accounts for 1913 and 1914.

Hull.—A comparative statement regarding the supply of medicines and chemists' accounts for the first quarters of 1914 and 1915, prepared for the Insurance Committee, gives the following statistics:

	1914	1915
Amount of chemists' accounts ...	£3,049	£2,442
No. of prescriptions	81,114	72,502
Cost per prescription	9*d.*	8.08*d.*
No. of prescriptions over 1*s.*	16,842 (1 in 5)	9,482 (1 in 7.5)
No. of prescriptions over 2*s.*	1,309 (1 in 62)	400 (1 in 181)
Overcharges per £100	£2 0*s.* 10*d.*	£2 5*s.* 6*d.*
Undercharges per £100...	11*s.* 11*d.*	8*s.* 8*d.*
Amount disallowed per £100	£1 18*s.* 11*d.*	£1 16*s.* 10*d.*
Disallowed for appliances not on the Tariff	£1 2*s.* 2*d.*	17*s.* 2½*d.*
Values of three highest-priced prescriptions	14*s.* 3*d.*, 10*s.* 6½*d.*, and 7*s.* 8*d.*	7*s.* 8*d.*, 7*s.* 5*d.*, and 6*s.* 9*d.*

It is stated that the decrease in the number of prescriptions is due to the enlistment of insured persons; that in the amount of chemists' accounts to the decrease (0.92*d.*) in the average cost of prescriptions, and to the fact that medicinal foods are no longer charged to the Drug Fund. The increase in the amount disallowed is due to very irregular pricing by some chemists. The Medical Benefit Sub-Committee has adopted the report of the Special Sub-Committee appointed to consider a schedule of hours of business presented on behalf of the chemists by the Pharmaceutical Committee, the recommendations being that (1) prescriptions given after 8 P.M. or on Thursday afternoons shall not be considered emergency prescriptions, unless, in the

opinion of the Insurance Committee, the case is one which could not wait till next morning or Thursday evening; (2) as to Thursday evenings and Bank Holidays, wherever a rota is arranged by the chemists in a district, a conspicuous notice shall be exhibited on their premises indicating the nearest pharmacy where prescriptions can be obtained on that day, the Pharmaceutical Committee giving notice to the Insurance Committee regarding the rota in time for the information of practitioners; (3) chemists desirous of changing the hours suggested to give reasonable notice to the Insurance Committee; (4) this scheme of hours to be submitted to the Panel Committee before final approval by the Insurance Committee.

Isle of Ely.—The Panel Committee has decided to request panel practitioners to prescribe mixtures with ½-oz. doses in place of 1-oz. doses, so as to conserve the Drug Fund by saving dispensing-fees.

Kent.—At a meeting of the Insurance Committee on May 26, the Medical Benefit Sub-Committee reported that the Pharmaceutical Committee had asked that the attention of panel practitioners should be called to the inroads on the Drug Fund caused by the issue of Insurance prescriptions to soldiers and sailors returning home, but still under military control. The following addition to the list of contractors for drugs and appliances was reported: Mr. R. Tucker, Greenhithe. The Pharmaceutical Service Sub-Committee reported, with regard to complaints by an insured person against a chemist, that the latter stated that delay in one instance was caused by a non-Tariff article being ordered, and in another by difficulty in obtaining a certain ointment. The Sub-Committee recommended that the chemist be informed that delay should not occur in the supply of medicines. The Finance Sub-Committee reported that, with the approval of the Commissioners, they had authorised the appointment of a temporary female clerk to assist in the preparation of detailed statistics regarding the cost of prescriptions, at a salary not exceeding 25*s.* per week. The Sub-Committee recommended advances from the 1914 credits to chemists amounting to 750*l.*, bringing the advances for 1914 up to 97 per cent. of the amounts of the accounts, and that advances for the quarter ended March 31 should be at the rate of 60 per cent. of the amounts of the accounts. It was stated that it was unsafe to recommend higher advances for the past quarter, as chemists' accounts came in very slowly. The reports were adopted.

Leeds.—The Insurance Committee has paid to chemists advances of 75 per cent. on the April accounts.

London.—A special meeting of the Panel Committee was held on June 1 to consider a report by the Pharmacy Sub-Committee, urging the necessity for limiting the time and money expended on inquiries into allegations of excessive prescribing by panel practitioners. The Sub-Committee said that the Panel Committee has done its utmost to deal with the representations of the Pharmaceutical Committee, although, when the first cases were brought, it might have objected that nineteen days is an unreasonably short period for review, or might have asked the Pharmaceutical Committee to submit reasoned arguments in support of its contentions. For the period April 12 to June 30, 1914 (eighty days), 175,000 prescriptions, value over 10,000*l.*, had been submitted, and the Pharmaceutical Committee would shortly make representations regarding 500 prescriptions dated from January 1 to April 12, 1914. Representations in respect of the remainder of 1914 might be expected soon. The Pharmacy Sub-Committee urged the impossibility of examinations being made by the Panel Committee over periods as short as one month, since the number of investigations will then be twelve times as great as if a yearly period were taken. If the period were quarterly and the number of practitioners involved were 500, it would be necessary to conduct 2,000 separate investigations, and it had been recently decided that each practitioner has the right to be heard by the whole Committee (*C. & D.*, February 13, p. 51). Apart altogether from the feasibility of undertaking so many inquiries, it is impossible for the Panel Committee to bear the financial burden. The cost of dealing with 2,000 bundles of 1,500 prescriptions is 3,750*l.* The Sub-Committee recommended that the Commissioners, the Insurance Committee, and the Pharmaceutical Committee be informed that in view of the above circumstances the Panel Committee give formal notice that it will limit the time and money spent on these investigations; that it will only deal with a certain number of prescriptions each quarter; and that the Pharmaceutical Committee be informed that, in view of the difficulty of testing the explanations of practitioners in respect of prescriptions remotely dated, the Panel Committee will always select the most recent cases for examination; further, that it be suggested that the prescriptions for 1915 should now be proceeded with in view of the importance of dealing promptly with any tendency to excessive prescribing. The Committee decided to adopt this course and fixed fifty separate investigations as the number it will be possible to deal with at present in a period of three months. A report was also presented as to the joint arrangements with the Insurance and Pharmaceutical Committees for the examination of prescriptions, towards the cost of which the Panel Committee has contributed 800*l.* a year. The Pharmacy Sub-Committee recommended that this arrangement be discontinued on the ground that the most important part of the examination has to be made in the Panel Committee's office, and that as the mere arithmetical checking is the duty of the Insurance Committee, the Panel Committee is not liable for a contribution. It was also urged that the value of the statistics depends on the promptitude with which they are prepared, and that continuous examination throughout the year is essential to secure economy in prescribing. The Sub-Committee suggested that every practitioner on the panel should be informed monthly of the average cost of his prescriptions, and that no useful purpose is served by conveying this information more than a year after the prescriptions were written. Dr. B. A. Richmond and Dr. H. H. Mills expressed the opinion that in practice the joint arrangement has not worked satisfactorily. Dr. Donnellan suggested that all the difficulties would disappear when the Drug Tariff has been revised, but Dr. R. J. Farman assured him that the question is not so simple as that. The Committee decided to give notice of its intention to withdraw from the joint arrangement on December 31, 1915.

Middlesex.—The 1914 accounts have now been completed. In all 3,255 accounts were rendered, covering 854,774 prescriptions, value 32,291*l.* 7*s.* 8*d.*, giving an average cost of 9.06*d.*, compared with 850,041 prescriptions, value 27,519*l.* 13*s.* 2*d.*, and an average cost of 7.7*d.*, in 1913. The Drug Fund cannot exceed 28,000*l.*, so that discounting must take place. Owing to the difficulty of arriving at a correct ratio of enlistment during 1914, which would result in payments being suspended for several months, a special method of settlement will be suggested by the Insurance Committee. For the first quarter of 1915 the accounts are as follows:

	Accounts	Prescriptions	Value	Average Cost
January... ...	230	88,450	£2,896	7.85*d.*
February ...	223	86,954	£2,846	7.85*d.*
March	195	65,822	£2,192	7.99*d.*

Portsmouth.—At a meeting of the Insurance Committee on May 27, a discussion took place on a report presented by the Clerk on the state of the Drug Fund for 1913, 1914, and the first quarter of 1915 (*C. & D.*, May 22, p. 94). Mr. Perkins asked for information regarding the actual position of the Drug Fund at the end of 1914. The Clerk replied that there would be a deficit of about 700*l.*, which would be met by discounting the chemists' accounts under their agreements. Mr. Groves said that what it really amounts to is that the Committee is going into liquidation, and is to offer the chemists a composition in the pound. He thought that very unfair to them. Mr. Hollis said the chemists knew what they were doing when they entered into the agreement. They knew they would be paid up to a certain amount, and the cost of drugs had exceeded that amount, but he took it that at the end of the year they will be paid something like 90 or 95 per cent. of the amounts of their bills for the year. He thought it is altogether a wrong arrangement, and that the chemists should be paid for what they had supplied. Mr. T. Brewis (chemist) said the thanks of the Committee and the chemists were due to the Clerk for his report. Chemists had entered into the agreements knowing what they were doing, but they did expect that they would be paid in full eventually, and it was disappointing to them to learn that they could not be so paid. If they receive 90 or 95 per cent. probably they will not grumble so much. He wanted to know what would be the position of chemists in regard to war prices compared with the prices ruling when the agreement was entered on. The Chairman said he thought the first step ought to come from the chemists. The Clerk said the Commissioners had been petitioned on the subject, but as yet they had not responded. The subject is to come up again for further discussion.

Sheffield.—A meeting of the Insurance Committee was held on June 2. The Clerk reported receipt of letters from the Pharmaceutical Committee to the effect that such portions of the accounts of two chemists as are not included in the signed list of accounts for the medical year 1913 be not paid. The same Committee also wrote urging the adoption of joint checking and analytical scrutiny of prescriptions. Sub-Committees of the Insurance and Pharmaceutical Committees had conferred and decided to confer with the Panel Committee in regard to the matter (*C. & D.*,

May 22, p. 95). The Cambridgeshire Insurance Committee forwarded a suggestion that the Government should be asked for a special grant to the Medical Benefit Fund on account of the best lives having ceased to be insured through enlistment. The Committee were unable to support this, as (*a*) it would only deal with part of the exceptional position, and (*b*) the present time is premature. The emergency settlement for 1914, as set out in a communication from the Commissioners, was ordered to be forwarded to the Pharmaceutical Committee for observations. The Clerk's report on the monthly payments on account indicates that the number of insured persons on April 1, prior to the removal of any slips on account of enlistment, was 177,998, but the doctors' slips at the commencement of the quarter indicated 159,472. Chemists' accounts for April to the amount of 979*l.* have been received, and accounts estimated at 130*l.* are still to come in, making 1,109*l.* The amount estimated to be available for the Drug Fund for the current quarter is 2,962*l.*, or 987*l.* for each month. It was recommended that payments be made at the rate of 75 per cent. on the amounts of the accounts, absorbing 831*l.* The following payments were also recommended: To certain chemists for appliances to be held by doctors, 16*l.* 17*s.* 5*d.*; final payment to doctors for emergency dispensing for 1913, 3*l.* 4*s.* 5*d.* The final amount available for chemists for 1913 is 370*l.* 4*s.* 2*d.*, equal to further payments at the rate 5.564*d.* per £. (As the Pharmaceutical Sub-Committee has accepted these figures payments may be expected this week.) Payments previously made for 1913 amount to 18*s.* 0.62*d.* per £ (92½ per cent.). The Committee decided, on the application of the Pharmaceutical Committee, to send to the Panel Committee for investigation the accounts of certain practitioners for appliances ordered during the latter portion of 1914. A request by the chemists that acetyl-salicylic acid tablets should be treated as a "starred" drug was ordered to be forwarded to the Commissioners.—The Insurance Committee desire that accounts should be sent in as soon as possible after the date agreed upon to enable the Clerk to report as to the percentage it is possible to pay each month.—The alterations in the prices of Panel Formulary preparations for June are: No. 2, 1*s.* 2*d.*; No. 4, 1½*d.*; No. 5, 4½*d.*; No. 25, 7*d.*; No. 43, 4*d.*; No. 62, 4½*d.*; No. 66, 6½*d.*; No. 69, 10*d.*; and No. 74, 6½*d.*

Smethwick.—At a meeting of the Insurance Committee on June 1 the Medical Benefit Sub-Committee reported on the proposals of the Commissioners for an emergency settlement with chemists for 1914, and the payment of *ex gratia* payments from the Special Drug Fund in areas discounted in 1913 and 1914. It was stated that chemists' accounts for 1914 amounted to 2,477*l.*, and the advances already made to 2,017*l.*, leaving a balance of 460*l.* This information had been forwarded to the Commissioners. Consideration of a recommendation from the Panel Committee that chemists should supply medicines to the insured in properly graduated medicine bottles was deferred. With reference to the arrangement made in September 1914 that practitioners should receive 1*l.* per 1,000 persons per annum to defray the cost of drugs and dressings supplied under Article 12 (5) of the Regulations, it has been found as a result of the scrutiny of the 1914 prescriptions that practitioners in some instances had, prior to the arrangement, obtained supplies from chemists by ordering on prescription forms. The Sub-Committee recommended therefore that the arrangement, so far as 1914 is concerned, shall apply only to the last quarter. An application from the Pharmaceutical Committee for administrative expenses for 1915 has been approved by the Panel Committee, and the Sub-Committee recommended that, with the approval of the Commissioners, a grant not exceeding 20*l.* be made.

Southend-on-Sea.—At the initial meeting of the Pharmaceutical Committee, held on May 27, Mr. S. F. Body was elected Chairman and Mr. J. G. Cowe Secretary for the ensuing year. It was decided that meetings be held quarterly, and that extra meetings be arranged if urgent business render them necessary.

Sunderland.—At a recent meeting of the Insurance Committee, Councillor Baxter called attention to a paragraph in the minutes relating to a chemist having been censured for making up a prescription not according to instructions. He hoped the Committee would take serious notice of the dispensing by chemists of prescriptions otherwise than in accordance with the directions. Such a practice is not only unjust to the patient, but a very great injustice to the doctor, and it might endanger the patient's life. The Chairman said the Sub-Committee for the purpose would deal with any complaint brought before them. Mr. E. R. Cherrett (chemist) said he must protest against the very serious reflection which had been made upon the chemists. If Councillor Baxter had any definite charge to make it should be thoroughly sifted. He objected most strongly to any indefinite charge being made without evidence to support it. The Chairman ended the discussion by ruling the subject out of order. It was reported that, the Committee's auditor of chemists' accounts (Mr. A. H. M. Purse) having received an appointment under the Durham Committee, some new arrangement as to checking and scrutiny would be necessary. It was decided that Dr. Dix, Mr. E. R. Cherrett, and the Clerk should attend a conference of County and Borough Insurance Committees to obtain information as to a combined checking arrangement.

SCOTLAND.

Pharmaceutical Standing Committee.

This Committee has issued Appendix V. to the Drug Tariff. Seven new drugs are added this month, and several advances are recorded, but no decreases. The Committee approves of chemists pricing "B" forms as a check upon the work of the Central Bureau. The Committee states that it is intended and expected that the Bureau should enable Insurance Committees to make prompt monthly payments and safeguard chemists against the risk of discounting. It is suggested that in areas where payment is made quarterly arrangements could be made for monthly payments. Chemists are informed that official instructions as to their procedure in sending in accounts are issued by the respective Insurance Committees.

WALES.

Settlement of Chemists' Accounts.

The Clerk to the Welsh Insurance Commission (Mr. Thomas Jones, M.A.) has issued to Welsh Insurance Committees a memorandum (I.C. 44/1915) regarding proposals relating to (*a*) an early emergency settlement of the 1914 chemists' accounts, and (*b*) certain *ex-gratia* payments to chemists in areas discounted in 1913 and 1914. The Commissioners appreciate that to defer a settlement for 1914 till the actual figures for enlistments have been obtained might involve hardship to chemists, and they have accordingly decided to adopt the following exceptional measures to enable an earlier settlement to be made. As it is impossible at present to obtain sufficiently definite information as to enlistments, it will be necessary to proceed on assumptions based on the general rate of enlistments over the country in ascertaining the amount to be available to any particular area for the purpose of the settlement. A certain margin will be allowed in favour of the chemists by assuming an average enlistment rate which is below the real average. Further, provision will be made that in the event of the precise sum available for the area, when subsequently ascertained, proving to be in excess of the sum calculated on the above assumption, the excess will be carried forward to the Drug Fund of that area for the current year for the benefit of the chemists in the area as a whole. It is accordingly proposed that a settlement out of the amount so calculated should be offered to each chemist to close accounts for 1914 on the following conditions:

(*a*) That if the amount accepted ultimately proves to be more than is due to him when the precise amount available to the area is ascertained, he will not be asked to refund.

(*b*) That if the amount accepted ultimately proves to be less than would have been payable to him on a precise ascertainment of the amount available, the difference between these two amounts will not go to him personally, but will be carried forward to the credit of the 1915 Drug Fund of the area for the benefit of such of the chemists in the area as have accepted the emergency settlement.

It will be open to any chemist to refuse the emergency settlement and to await a settlement in the ordinary course. In the event, however, of acceptance, the chemists will necessarily be required to sign a release from all claims on the Committee for 1914, and an authority to the Committee to pay over to the Commissioners the difference mentioned in condition (*b*). Regarding discounted accounts for 1913 and 1914, the Commissioners announce that certain *ex-gratia* payments will be made to chemists, which payments are intended solely to meet the abnormal conditions in the first two years of the operation of Medical Benefit, and they must not be regarded as constituting a precedent for future payments to chemists in addition to those under their contracts. The proposed payments do not in any way lessen the responsibility of Insurance, Panel, and Pharmaceutical Committees to secure the efficient administration of the Drug Fund by effective action under the Regulations, nor must they be construed as an admission that a chemist suffers an absolute loss or even a loss of reasonable profit when he fails to receive payment in full. It is proposed to utilise for these payments such part of the Special Drug Fund of 60,000*l.* voted for 1913 and 1914 as may not be required in connection with the concessions previously

announced in respect of drugs affected by the war. Grants will be made out of this to afford relief to those chemists who have been most heavily discounted, and the method of calculation and distribution will be such as to reduce the discounts in such cases to a certain uniform percentage, which cannot be determined until the extent of the deficiencies has been ascertained. Where a grant is made towards a discount in 1914, any sum not exceeding the amount of the grant, which would otherwise have been carried to the Committee's Drug Fund for 1915 in accordance with the condition indicated above, will be surrendered as a condition of the grant. As a preliminary towards the emergency settlement referred to, the Commissioners will inform each Committee of the amount available to them for the purpose; the Committee will then calculate the amount payable to each contractor and place the proposals for settlement before him. Before giving effect to the proposals regarding *ex-gratia* payments in discounted areas, it will be necessary (1) to ascertain the amount of the deficiencies for 1914 on the basis of the emergency settlement, and (2) to determine the exact percentage of discount beyond which relief is to be afforded, so that the Commissioners will not be in a position to distribute the grants until the emergency settlement of all Committees, or such of them as are likely to participate in the grants, has been concluded. Insurance Committees are asked to furnish the Commissioners with a statement showing (*a*) total of accounts as checked (excluding those relating to temporary residents and to Sanatorium Benefit); (*b*) total of accounts in respect of temporary residents; (*c*) total of (*a*) and (*b*); (*d*) amount of advances already made in respect of these accounts; (*e*) difference between (*c*) and (*d*).

Radnorshire.—At a recent meeting of the Insurance Committee, the Finance Sub-Committee recommended that the offer of Mr. E. J. George, Walsall, to check and scrutinise prescriptions and chemists' accounts for 1915 at a charge of 5*l.* be accepted, that the prescriptions and accounts for the past quarter be forwarded to him, and that the accounts be afterwards paid, subject to deduction of overcharges, if any. The Committee agreed.

Wills.

Mr. James Hilston, chemist and druggist, 1 Wellgate, Lanark, who died on February 7, left personal estate in the United Kingdom valued at 3,634*l.*

Mr. Thomas Alexander Burgess, chemist and druggist, George Street, Port Talbot (Glam.), who died on March 12, left estate of the gross value of 2,303*l.*, with net personalty of 97*l.*

Mr. Frederic John Hall, chemist and druggist, 27 Broad Street, Worcester, who died on April 15, left estate of the gross value of 7,981*l.* 13*s.* 8*d.*, of which the net personalty has been sworn at 6,433*l.* 10*s.* 6*d.*

Sir William Richard Gowers, M.D., F.R.S., 34 Ladbroke Square, London, W., who died on May 4, left unsettled property of the gross value of 13,983*l.* 2*s.* 5*d.*, of which the net personalty amounts to 13,922*l.* 19*s.* 8*d.*

Mr. Sidney George Rawson, D.Sc., Atholl, Lovelace Gardens, Surbiton, Principal of Battersea Polytechnic, who died intestate on March 23, left estate valued at 4,237*l.* 10*s.* 5*d.* gross, with net personalty 3,441*l.* 7*s.* 8*d.*

Mr. Robert Ford Gloag, 2 Lothian Road, Grove Hill, Middlesbrough, who died on March 22, left unsettled property of the gross value of 6,079*l.* 12*s.* 11*d.*, with net personalty 4,905*l.* 13*s.* 5*d.* The testator confirmed the provisions of his marriage settlement, and stated that the benefits under his will are in addition to those under that settlement. He left his property to his wife during widowhood, and, subject thereto, an annuity of 156*l.* during spinsterhood to his daughter Sybil Bramble Gloag; and the ultimate residue of his property equally between his children, Margaret Mary Cooper, Dorothea Cooper, Sybil Bramble Gloag, Ernest Richardson Gloag, and Vivian Ford Gloag.

Pharmaceutical Committee Elections.—Mr. W. J. Uglow Woolcock has been authorised by the President of the Pharmaceutical Society to act as Returning Officer for any Committee at the election of the Pharmaceutical Committee this month. It is not necessary to report this fact in connection with each Insurance Act district, but if any select another person than Mr. Woolcock we shall report the fact if communicated to us.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., June 3, 6.30 p.m.

A FAIR amount of business has been done in the chemical and drug markets, with prices as a rule favouring sellers. Among the fine chemicals bromides are in good demand; caffeine is extremely scarce, and the same applies to codeine for prompt delivery. Morphine remains firm, and strychnine is 2*d.* per oz. dearer. Quinine is steady. Guaiacol preparations, hexamine, and resorcin have a firmer tendency. Acetanilide is easier. Cream of tartar, tartaric acid, and citric acid are rising markets, partly owing to the uncertainty regarding future supplies from Italy, but buyers should act cautiously. Spanish mercury has been advanced several times, owing, it is said, to the Italian prohibition of exports. Prices of mercurials have been withdrawn owing to the scarcity of the metal. Potassium salts generally are becoming very scarce again, there having been few arrivals of late. Permanganate is dearer; stocks of sodium hyposulphite have been taken under Government control. Products showing a cheaper tendency include ergot, menthol, Calcutta castor oil, linseed oil, turpentine, and isinglass.

Higher	Firmer	Easier	Lower
Antimony	Ammonia sulphate (London)	Acetanilide	Cotton oil
Citric acid	Cod-liver oil	Castor oil (E.I.)	Isinglass
Cream of tartar	Guaiacol preps.	Ergot	Linseed oil
Mercurials	Hexamine	Menthol	Turpentine
Mercury	Milk-sugar	Peppers	
Potash permang.	Oxalic acid	Senega	
Resorcin	Potash prussiate		
Salol	Wax, veg. (Japan) c.i.f.		
Strychnine			
Tartaric acid			

Cablegram.

New York, June 3.—Business in drugs is quiet. Opium, peppermint oil, and menthol are unchanged. Cartagena ipecacuanha is dearer at $4.75. Mexican sarsaparilla is firmer at 11c. Citric acid is scarce at $1.00 per lb. Jalap is firmer at 10c. Copaiba balsam and senega are both steady, at 32c. and 40c. per lb. respectively.

London Markets.

Acetanilide.—Less demand and an increase of stocks has led to a continued easier feeling in the United States, from whence offers are being made by cable at 4*s.* 3*d.* c.i.f. and slightly less. Very fair arrivals are taking place.

Ammonia Sulphate is firmer, at from 13*l.* 2*s.* 6*d.* to 13*l.* 7*s.* 6*d.* per ton net, naked at works, London, for 25-per-cent. ammonia; Hull, 24-per-cent., is 13*l.* 15*s.*; Liverpool, 13*l.* 15*s.* to 13*l.* 17*s.* 6*d.*; Leith, 14*l.* to 14*l.* 2*s.* 6*d.*, July-December, 14*l.* 5*s.* per ton in bags f.o.b., less 3½ per cent.

Anise Oil (Star).—Quiet, with "Red Ship" brand offering at 3*s.* 10*d.* on the spot, and at 3*s.* 5*d.* per lb. c.i.f.

Antimonial Preps. have been further advanced, the value of *Crocus* being 83*s.* and powder 85*s.*; antim. sulph. præcip. is 2*s.* per lb.

Arrowroot.—At auction 13 cases Natal were bought in at 6*d.* for good.

Asafetida.—There is a very fair stock offering at reasonable prices.

Bergamot Oil is quoted at 11*s.* per lb. c.i.f. to arrive.

Bromides.—Sales have been made in several quarters this week at 5*s.* 6*d.* for potassium, 5*s.* 3*d.* for ammonium, and 5*s.* for sodium.

CAFFEINE.—Makers for some time past have been unable to book contracts, but to their regular customers they endeavour to supply on the basis of 18*s.* per lb. for pure caffeine.

CALUMBA.—Bold sound has been selling at 32*s.* 6*d.* per cwt.

CAMPHOR (REFINED).—Sellers of Japanese 2½-lb. slabs for June-July shipment quote 1*s.* 5¾*d.* per lb. c.i.f.

CAPSICUMS.—At auction 100 bales large stalky yellow and reddish Bombay were bought in at 50*s.* per cwt.

CASCARA SAGRADA.—Four-year-old bark is offered at 52*s.* 6*d.* on the spot. Great difficulty continues to be experienced in engaging freight from the Pacific Coast.

CASSIA FISTULA.—Good West Indian pod is offered at 32*s.* 6*d.* per cwt. spot.

CHAMOMILES.—There is a fair inquiry, the value of Belgian being 125*s.* to 130*s.*, and French from 110*s.* to 120*s.* per cwt. on the spot.

CHILLIES.—At auction in Liverpool 30 bags Sierra Leone sold at 90*s.* per cwt. ex quay.

CHLORAL HYDRATE.—Fair arrivals are taking place, and it is not anticipated that any permanent scarcity will take place.

CINNAMON.—At auction 100 bales unworked Ceylon sold without reserve at 11½*d.* for rather coarse firsts, 10*d.* for seconds, 8½*d.* for thirds, and 8*d.* for fourths.

CITRIC ACID is dearer at 2*s.* 7½*d.* per lb., which price has been paid. America is still a buyer, the price on that side being $1.

CLOVES.—Quiet, at 7*d.* per lb. for fair Zanzibar on the spot; for June-August delivery 6 11/16*d.* is quoted.

COCAINE.—Business has been done in hydrochloride at 15*s.* per oz., loss 5 per cent.

CODEINE.—Supplies for prompt delivery remain scarce, on the basis of 23*s.* per oz. net for the pure crystals.

COD-LIVER OIL.—Judging by private advices received from Norway, prices are firm, with a rising tendency, but, as is usual at this period of the year, little interest is shown on this side. We notice the arrival of 150 barrels for wholesale account. At the close a cable has been received quoting 175*s.* c.i.f. for a well-known brand.

According to cabled advices received from Aalesund, the quantity of livers set aside for natural oils and the output of oil up to May 29 was as follows:

	Catch of cod	Livers for raw oils (hect.)	Yield of c.l.o. (hect.)
Finmarken, 1915	9,074,000	637	6,686
do. 1914	13,753,000	1,902	9,286
Whole country, 1915	59,600,000	7,862	47,696
do. 1914	71,700,000	9,802	52,141

The following is an advice from Aalesund dated May 25: "The Finmarkon fishing has proved a disappointment so far, and comparatively very little oil has been manufactured in that district. As a consequence, local prices for cod-liver oil have advanced about 12*s.* per barrel during the last few weeks, but, owing to the very high prices ruling for livers, even the advanced price on medicinal oil gives no profit whatever, so that holders are still holding back in hopes of obtaining better prices at the close of the fishing season (about the middle of June), or when the actual demand sets in. The total crop for the whole of Norway up to the present date amounts to 47,553 hect. (40,994 barrels) crude oil, against 50,634 hect. on May 23, 1914, 38,573 hect. on May 24, 1913, and 65,399 hect. on May 25, 1912. It must be remembered that out of this year's production a very considerable quantity has been sold for industrial purposes, so that the quantity left in Norway is rather small in comparison to the prices asked." A letter from Bergen, dated May 28, intimates that the two submarine cables between Norway and England have recently been broken, and, as telegrams have to be despatched *viâ* Denmark, considerable delay ensues. For finest non-freezing oil (1915) from 156*s.* to 161*s.* per barrel f.r. Hull (war-insurance extra) is quoted, and another quotation is 165*s.* c.i.f. Hull, all without engagement.

COPPER SULPHATE is easier, at 27*l.* per ton for the usual Liverpool brands. Market quiet.

COUMARIN.—The value is about 18*s.* per lb.

CREAM OF TARTAR.—The spot price has been suddenly rushed up to 185*s.* to 190*s.*, the lower price having been paid at the close. Buyers, however, would do well to act cautiously, purchasing nothing beyond current requirements.

ERGOT is rather cheaper, with ready sellers at 2*s.* 6*d.* per lb.

FORMALDEHYDE remains unaltered, but with the steady demand there is not much prospect of a decline taking place; only small quantities are available in U.S.A.

GINGER.—At auction 427 bags and 235 bales offered and 91 packages sold at 28*s.* for brown rough Calicut and 30*s.* for washed, rough Cochin. In Liverpool, Sierra Leone ginger is quoted 26*s.* 6*d.* on store terms.

GUAIACOL PREPS. are slightly dearer, the lowest price for carbonate being 18*s.* per lb.

HEXAMINE is tending firmer at from 3*s.* 9*d.* to 4*s.* per lb. We note fair arrivals from U.S.A.

HONEY.—Jamaica has been sold at 32*s.* 6*d.* per cwt. Californian is reported to be firmer at primary sources, and some quantity has been taken off the market.

IPECACUANHA.—The *Hesione* has brought 68 bales from Buenos Ayres to Liverpool. The value of Matto Grosso is about 15*s.* and Cartagena 12*s.* per lb.

IRON SULPHATE is very firm at 55*s.* per ton.

ISINGLASS.—At auction 574 packages offered, and, meeting with a fair demand, about two-thirds sold at irregular prices. Karachi leaf fell 2*d.* to 3*d.*, and Penang leaf declined 6*d.* to 9*d.* for good, 2*d.* to 4*d.* for common; tongue scarce, and purse full up. Saigon sold at previous sales' reduction; West Indian was bought in, and dark Brazilian lump was cheaper.

JAMBUL-SEED is offered at 7*d.* per lb. on the spot.

LEMON OIL is firm, at from 4*s.* 3*d.* to 4*s.* 9*d.* per lb. on the spot, and to arrive at from 3*s.* 9*d.* to 3*s.* 10*d.* c.i.f.

LIME-JUICE.—Market is practically bare of supplies

LIME OIL.—A retail sale of W.I. distilled has been made at 4*s.* 9*d.*

MENTHOL.—The market is nominal at 10*s.* per lb. spot, with possible sellers at 9*s.* 9*d.*; to arrive 9*s.* c.i.f. is quoted for June-August shipment.

MERCURIALS.—Owing to the rapid advance in mercury, the British makers of the salts have withdrawn their quotations temporarily, practically no metal being available. From dealers a limited quantity of corrosive sublimate is obtainable at 4*s.* 3*d.* to 4*s.* 6*d.* and calomel at 4*s.* 9*d.* to 5*s.* per lb.

MERCURY.—See separate paragraph on p. 57.

MILK-SUGAR is steady, at from 70*s.* to 72*s.* per cwt. for good powder.

MORPHINE remains unaltered, but very firm, at 13*s.* 6*d.* per oz. net for hydrochloride powder.

NAPHTHALINE continues very scarce and wanted.

OPIUM.—The London market remains unchanged at the prices quoted last week—viz., 23*s.* per lb. on the spot for 11-per-cent. As previously intimated, Asia Minor opium is prohibited from importation, so that Turkey druggists' supplies are in very small compass. Soft Salonica suitable for pharmaceutical purposes is quoted 26*s.* to 27*s.* An interesting case was tried in the Naval Prize Court this week concerning a claim by a firm of London brokers for the release of 26 cases Turkey opium seized by the authorities. The goods were condemned, but leave to appeal was given (see p. 40).

ORANGE OIL.—Sicilian on the spot is offered at 7*s.* per lb.

OXALIC ACID is quoted at from 11*d.* to 11½*d.* per lb.

PEPPER.—At auction 159 bags Singapore sold without reserve at from 5⅜*d.* to 5½*d.* for greyish and rather dusty, being cheaper. Sellers of black Singapore on the spot quote 6*d.* basis fair; Tellichorry, fair, and Alleppy, fair, 5¾*d.*; and Lampong 6*d.* *White* Singapore is quoted 9¾*d.*, Muntok 9⅞*d.*, and Penang 9*d.* on the spot.

PEPPERMINT OIL.—American is unchanged, with good brands offering at 7*s.* 6*d.* net on spot; H.G.H. is quoted at 13*s.* on spot and 12*s.* 6*d.* to come forward. The value of Japanese dementholised oil of *Mint* is 3*s.* to 3*s.* 1*d.* for Suzuki and Kobayashi respectively; to arrive is 2*s.* 9*d.* c.i.f., being 1½*d.* better.

POTASH PERMANGANATE.—Business has been done at up to 190*s.* on spot, and a limited quantity is still obtainable at this figure; some dealers are holding out for 200*s.*

POTASH PRUSSIATE.—Yellow is firmer at 1*s.* 6*d.* *Soda* is unchanged at 7*d.* to 8*d.*

QUININE remains firm, but quiet, at 1*s.* 4*d.* per oz. for the usual Continental brands. The landings in London during May were 63,488 oz. and the deliveries 263,664 oz., leaving a stock of 2,263,632 oz. on May 31, against 3,174,784 oz. in 1914.

RESORCIN is tending firmer, at from 10*s.* 6*d.* to 10*s.* 9*d.* per lb.

RHATANY-ROOT has been sold at up to 6*d.* per lb., but further supplies are scarce and wanted.

SAFFRON is steady, at from 46*s.* to 48*s.* per lb. net for finest B.P. quality.

SALOL.—Business has been done at from 12*s.* 6*d.* to 13*s.* per lb. on the spot, and since refused, the value being about 14*s.*

Senega.—There are spot sellers at 2*s.* 2*d.* net.

Senna.—Tinnevelly has been selling from dealers' hands at from ¾*d.* to 1*d.* per lb. on cost, the value of ordinary stalky leaf being about 5*d.* to 5¼*d.*

Sodium Hyposulphite.—Owing to the urgent requirements of the Government, the existing stocks have now been placed under official control. There is practically no shortage, as evidenced by the fact that prices have shown no appreciable advance on the part of the makers.

Squill is in fair demand, with fair white offering at 20*s.* and brown at 15*s.* per cwt.

Strychnine.—The June price-lists of makers show an advance of 2*d.* per oz., owing to the scarcity of nux vomica. The list-price of the B.P. crystals is 2*s.* 4*d.* per oz.; the sulphate is 2*s.* 1*d.*, and the hydrochloride 2*s.* 2*d.* per oz., all net. Strychnine in 1-oz. bottles for export is 3*d.* dearer.

Sulphur is selling at from 12*l.* 10*s.* to 13*l.* per ton on the spot for flowers and 10*s.* less for roll.

Tannic Acid.—American is selling to arrive at 3*s.* 3*d.* per lb. c.i.f.

Tartaric Acid is dearer at 1*s.* 10½*d.* per lb.

Tonka Beans.—Quiet, with good frosted Angostura offering at 4*s.* per lb., fair frosted black Para at 2*s.* 6*d.*, and ordinary black at 2*s.* per lb.

Valerian.—The *Batavier IV.*, from Rotterdam, has brought 185 bales of Belgian root. The spot value is about 100*s.*

Vanillin remains firm, spot values being from 29*s.* to 30*s.* per lb.

Wax, Japanese, is quiet at 55s. on the spot, but price forward is dearer at 47*s.* 6*d.* c.i.f.

Zinc Oxide.—The present price of fine pharmaceutical qualities is from 60*l.* to 70*l.* per ton in limited quantities only. A circular issued by one of the leading makers states that the price of zinc (spelter) has advanced almost daily, until from 66*l.* it stands to-day at 100*l.* per ton, showing a larger advance than any other metal. The reason is not far to seek. The annual production of spelter is something like 1,000,000 tons; of this quantity rather more than one-third was produced in Germany and Belgium, sources of supply, of course, now stopped, with the result that this country has had to depend largely upon America, whose output does not greatly exceed 300,000 tons. The Continental demand lately for spelter has, moreover, been extremely heavy, since the metal is largely used in the manufacture of war-material. With the opening of Archangel, we look for large Russian orders, which will tend to accentuate the situation.

Arrivals of Chemicals and Drugs.

During the period May 26 to June 2 inclusive the following produce from the places mentioned in parentheses has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

To London.

Acetic acid (Rotterdam) cks. 32
Agar-agar (Kobe) bls. 10
Albumen egg (Japan) cs. 30, (Shanghai) cs. 99
Almond oil (Marseilles) cs. 19, brl. 1
Aloes (Mossel Bay) cs. 50, (Algoa Bay) 5, (C. Town) 11
Alum (Boulogne) cks. 3
Anise oil (Hong-Kong) cs. 50
Antimony, crude (Shanghai) cs. 2,300, (Marseilles) cs. 500
Antimony oxide (Shanghai) bgs. 4,500
Arachis oil (Rotterdam) brls. 1,233, (Cochin) cks. 84
Argol (Leghorn) bgs. 182
Arrowroot (Natal) cs. 150
Arsenic (Oporto) cks. 100
Barium salts (Genoa) dms. 16, brls. 4
Boric acid (Leghorn) brls. 300, cs. 110
Bromides (Montreal) brls. 5
Buchu (Cape Town) pkgs. 11
Calamus-root (Rotterdam) bls. 7
Calcium carbide (Skien) dms. 170
Calcium citrate (Syracuse) cks. 176, (Palermo) cks. 223
Camphor, ref. (Kobe) cs. 115
Canary-seed (Morocco) bgs. 491
Capsicums (Bombay) bdls. 217
Caraway-seed (Bombay) bgs. 6
Cardamom-seed (Colombo) pkgs. 23, (Bombay) 10
Cardamoms (Bombay) cs. 64, (Colombo) cs. 242
Casein (Charente) bgs. 20
Cashew-nuts (Bombay) cs. 863
Cassia-bark (Japan) bgs. 500, (Port Said) cs. 200
Castor-seed (Beira) bgs. 85
Chemical prod. (Boulogne) cs. 6, pkgs. 52, (Havre) cs. 26
Chemical prod., medicines, etc. (N. York) pkgs. 178
Chillies (Mombasa) bgs. 511, (Zanzibar) bls. 28, (Beira) 29, (Bombay) pkgs. 323, (Japan) 52
Cinchona (Colombo) bgs. 9
Cinnamon chips (Colombo) bgs. 682; *quills* cs. 43
Cinnamon-leaf oil (Galle) cs. 10
Citric acid (Palermo) cks. 12
Citronella oil (Galle) dms. 17
Clove-stems (Zanzibar) brls. 1,788, (Bombay) pkgs. 700
Cloves (Zanzibar) bls. 7,343, (Bombay) pkgs. 453, (Penang) cs. 10
Coca-leaves (Colombo) bgs. 42
Cochineal (Las Palmas) bgs. 10
Coconut oil (Cochin) pkgs. 2,454, (Galle) cks. 320, (Marseilles) cs. 160
Coriander-seed (Mazagan) bgs. 570
Cream of tartar (Marseilles) cks. 68, (Genoa) brls. 20, (Lisbon) cs. 95
Cumin-seed sifts (Mogador) bgs. 22
Cuttlefish-bone (Bombay) pkgs. 158, (Marseilles) bgs. 50
Dragon's-blood (Bombay) cs. 4
Drugs (Yokohama) cs. 10, (N. York) pkgs. 117
Epsom salt (N. York) pkgs. 229
Essential oils (Amsterdam) dms. 2, (Messina) cs. 123, pkgs. 133
Fruit essences (Rotterdam) cs. 11
Galls (Shanghai) cs. 154
Gentian (Marseilles) bls. 20
Ginger (Bombay) bgs. 4,382, cs. 156, (Hong-Kong) cks. 125
Ginger grass oil (Bombay) pots 6
Glycerin (Auckland) dms. 8
Gum acacia (Bombay) bgs. 625, (Port Sudan) bgs. 1,235
Gum copal (Zanzibar) cs. 9
Gum kauri (Auckland) pkgs. 907
Gums, undescribed (Mogador) bgs. 46, (Alexandria) bgs. 465
Herbs, medicinal (Lisbon) bgs. 25
Honey (N. York) cs. 105
Indigo (Madras) chts. 5
Jalap (N. York) bgs. 62
Kola (Colombo) bgs. 9
Laurel-leaves (Leghorn) bls. 40
Lemon-juice (Messina) pps. 8
Lemon oil (Palermo) cs. 5 (*see also Ess. oils*)
Linseed (Mazagan) bgs. 742
Liquorice-juice (Naples) cs. 26
Lithopone (Rotterdam) cks. 40
Loofahs (Yokohama) bls. 52
Magnesite (Rotterdam) bgs. 76
Mercurial salts (Genoa) cs. 20
Milk-sugar (N. York) brls. 150
Mineral waters (Marseilles) crts. 470, cs. 3,890, (Treport) cs. 200, (Rotterdam) cs. 300
Mustard-seed (Bombay) bgs. 308
Nux vomica (Bombay) bgs. 1,902, (Madras) bgs. 223, (Bimlipatam) bgs. 425, (Vizagapatam) bgs. 54
Olibanum (Bombay) cs. 147, bgs. 40
Olive oil (Marseilles) brls. 7, cs. 174, (Genoa) cs. 56, (Seville) cs. 50, brls. 157
Opium (Bombay) cs. 56, (Aden) cs. 50
Orchella-weed (Lisbon) bls. 193
Orris (Leghorn) bgs. 27
Oxalic acid (Fredrikstad) pkgs. 80
Papain (Colombo) cs. 16
Pepper (Amsterdam) bgs. 301, (Bombay) bgs. 14,173, (Colombo) 73, (Singapore) 396
Perfumery (Boulogne) cs. 23
Petroleum emul. (Boston) bxs. 2,154, ½ brls. 42
Pimento (Halifax) bgs. 469
Potash iodide (Japan) cs. 20
Potash oxalate (Fredrikstad) kgs. 80
Potash perchlor. (Rouen) cks. 371
Potash prussiate (Rouen) cks. 14
Potashes (Montreal) brls. 7
Quinine (Rotterdam) cs. 75
Rape-seed oil (Kobe) cs. 1,000
Roots, barks, herbs, leaves, etc. (Marseilles) bls. 99; *seeds* bgs. 231
Rosewood oil (Havre) pkgs. 9
Rosin (Savannah) brls. 6,150, (Bordeaux) 570
Saffron (Malaga) cs. 1
Sal acetos (Fredrikstad) pkgs. 110
Sandalwood (Bombay) bdls. 452
Sandarac (Mogador) pkgs. 175
Senega (N. York) bls. 10
Senna (Port Sudan) bls. 26, (Tuticorin) bls. 88, (Alexandria) pkgs. 276
Shellac (India) cs. 615
Soda phosphate (N. York) brls. 31
Soya-bean oil (Shanghai) dms. 145, (Kobe) cs. 6,000
Sponges (N. York) bls. 136
Tartar (Alicante) bgs. 301
Tartar emetic (N. York) kgs. 25
Tartaric acid (Marseilles) cs. 10, cks. 20, (Genoa) cs. 10
Turmeric (Bombay) bgs. 781
Turpentine (Savannah) brls. 525, (Seville) dms. 20, (Lisbon) dms. 96
Valerian-root (Rotterdam) bls. 185
Vanilla-beans (Auckland) cs. 11
Wax, bees' (Mombasa) bgs. 32, (Beira) bgs. 38, blks. 30, (Delagoa Bay) pkgs. 190, (Bombay) pkgs. 53, (Morocco) pkgs. 281, (Leghorn) pkgs. 13, (Rotterdam) pkgs. 23, (Oporto) cks. 52, (Barcelona) bls. 11, (Alexandria) bgs. 56
Wax, undescribed (Lisbon) pkgs. 134
Wine-lees (Messina) bgs. 310, (Lisbon) bgs. 281, (Alicante) bgs. 218
Wood oil (Shanghai) cks. 1,577
Zedoary-root (Bombay) bgs. 50
Zinc oxide (Rotterdam) 100, (N. York) 1,000

To Liverpool.

Acetate of lime (Boston) bgs. 3,715
Acids (Boston) brls. 70
Albumen (N. York) cs. 30
Ammonia anhyd. (Baltimore) cyl. 115
Anilin dyes (Libson) pkgs. 16
Argol (Oporto) cks. 22, bgs. 280
Balsams (Para) cs. 47
Bismuth subnit. (N. York) cs. 41
Borate of lime (Chile) sks. 4,466
Carbon black (Baltimore) cs. 300
Caraway-seed (Rotterdam) bgs. 185
Cascara sag. ('Frisco) sks. 131
Castor oil (Calcutta) cs. 300
Chemical prod. (N. York) brls. 112
Citric acid (Marseilles) cks. 24
Coconut oil (Sydney) dms. 940
Cotton-seed (Alexandria) tons 1,000
Cream of tartar (Oporto) cks. 5, (Marseilles) cks. 48, (Bordeaux) cks. 89, (Tarragona) brls. 20, (N. York) cks. 8
Drugs (N. York) cs. 135, pkgs. 201; *medicines* cs. 51, pkgs. 208
Drugs (Havre) cs. 136; *medicines* cs. 20
Glucose (N. York) 422
Glycerin (Bordeaux) cks. 50
Ground nuts (Bathurst) tons 2,675, (India) bgs. 15,146
Gum almedina (Lisbon) bgs. 153
Gum copal (Rotterdam) cs. 27
Gum damar (Batavia) cs. 50
Gums, undescribed (Rio) sks. 13, (Bordeaux) bgs. 40, (Alexandria) bgs. 36
Honey (California) cs. 350
Indigo (Java) cs. 8
Ipecacuanha (B. Ayres) bls. 68
Lime-juice (Santos) brls. 12
Lithopone (Rotterdam) cks. 240
Magnesite calc. (Madras) bgs. 1,299
Mineral waters (Bordeaux) cs. 160
Olive oil (Marseilles) cs. 198, (Bordeaux) cs. 337, (Seville) brls. 567, (Malaga) brls. 119
Oxalic acid (N. York) brls. 49, (Fredrikstad) cks. 40
Palm-kernels (W.C. Africa) bgs. 12,704
Palm oil (W.C. Africa) cks. 825
Peptone (N. York) crts. 10
Perfumery (Havre) cs. 15
Petrolatum (Baltimore) brls. 65
Potash salts (Montreal) cs. 20
Roots, barks, etc. (N. York) pkgs. 44

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Rosin (Savannah) brls. 1,500, (Bordeaux) cks. 948, (Bayonne) cks. 1,516, (Pasages) 434, (Seville) 517
Saltpetre (Calcutta) bgs. 1,000
Seeds (Marseilles) bgs. 40
Soda nitrate (Chile) bgs. 74,932
Soda sulphate (N. York) kgs. 284
Tartaric acid (Marseilles) cks. 57
Turpentine (Pasages) brls. 250
Wax, bees' (Alexandria) bgs. 28
Wax, carnauba (Bahia) bgs. 177
Zinc oxide (N. York) brls. 500

To Manchester.

Calabar-beans (S. Leone) bgs. 9
Calcium carbide (Montreal) dms. 3,225
Cream of tartar (N. York) brls. 116
Dextrin (N. York) bgs. 440, (Montreal) bgs. 2,050
Farina (Rotterdam) bls. 250
Formaldehyde (N. York) bls. 50
Formic acid (Rotterdam) cbys. 36, cks. 8
Glucose (N. York) pkgs. 60
Indigo (Rotterdam) cs. 6
Lead acetate (N. York) brls. 40
Lithopone (Rotterdam) cks. 440
Magnesite (Drammen) bgs. 508
Mineral white (Bergen) bgs. 1,700, (Montreal) bgs. 500
Nut oil (Rotterdam) cks. 90
Oxalic acid (N. York) brls. 75, (Frederikstad) cks. 40
Palm-kernels (S. Leone) bgs. 7,339
Palm oil (S. Leone) butts 262, tuns 2
Phosphorus (Montreal) pkgs. 250
Rosin (Savannah) brls. 2,800
Soda acetate (N York) brls. 75
Soda nitrite (Christiania) cks. 66
Turpentine (Savannah) brls. 500

To Bristol.—Glucose (N. York) brls. 420; potashes (St. Johns, N.B.) brls. 16; zinc oxide (N. York) 450. *To Folkestone.*—Chemical prod. (Dieppe) pkgs. 4; honey (Boulogne) pkgs. 6; perfumery (Calais) pkgs. 19, (Dieppe) pkgs. 17, (Boulogne) pkgs. 117. *To Grimsby.*—Chemical prod. (Dieppe) brls. 18; tannic acid (Dieppe) cks. 8. *To Hull.*—Ammonia (N. York) cyl. 50; barium nitrate (N. York) kgs. 102; castor-seed (Bombay) bgs. 1,358; chemical prod. (N. York) brls. 256; cotton-seed (Alexandria) cwt. 22,500; caraway-seed (Harlingen) bls. 400; dextrin (Harlingen) bls. 40; essential oils (Palermo) cs. 3; formic acid (Rotterdam) blns. 168; ginger (W.C. Africa) bgs. 45; glucose (N. York) 180; lemon-juice (Messina) pps. 2; linseed (R. Plate) bgs. 65,057, (Bombay) bgs. 13,468; liquorice-paste (Naples) cs. 47; olive oil (Messina) cks. 30; olive stones, ground (Naples) bgs. 666; palm-kernels (W.C. Africa) bgs. 36,398, tons 615; palm oil (W.C. Africa) butts. 59, cks. 14; potash carbonate (Gothenburg) brls. 5; potash caustic (Gothenburg) 58; potash prussiate (Gothenburg) brls. 11; rape-seed (Karachi) bgs. 14,291; soda phosphate (N. York) bgs. 18; sulphur (Catania) tons 103, bgs. 1,453; zinc oxide (Rotterdam) 110. *To Preston.*—Ground nuts (Bathurst) tons 960 *To Southampton.*—Drugs (Honfleur) pkgs. 19; mineral waters (Havre) pkgs. 495; perfumery (Honfleur) pkgs. 51; wax, bees' (St. Malo) pkgs. 6.

Mercury.

Quite a startling change has taken place in the mercury-market since our last report. The price was already high at about 12*l.* per bottle, but towards the close of last week there was an accumulation of export orders, especially for France and Russia. The effect of these coming on to a very bare market sent up the price on Friday last (May 28) to 12*l.* 15*s.* per bottle. Subsequently the market became somewhat excited, owing to the demand being of a more persistent character, and as the result of several advances 13*l.* 15*s.* was actually paid on Wednesday (June 2), with only limited quantities obtainable, as the chief importers have been virtually off the market for a week or more. Business is difficult to complete and is a matter of negotiation, while for export there is considerable delay in the granting of permits. Imports have been light for some time past, and the dearth of supplies is now aggravated by the prohibition of exports from Italy—an important producer—so that the market is chiefly dependent on the Spanish product. The price now stands at about 45*s.* per bottle over the extreme highest figure paid some time ago, and, although it does not constitute an absolute "record," it is certainly the highest seen for several decades. [Since the above was written business has been done at 14*l.* to 14*l.* 5*s.* per bottle, and to-day (Thursday, 4.30 P.M.) the price on 'Change was 15*l.* nominal, and very scarce.]

Heavy Chemicals.

Manchester, June 2.

There was a fairly good attendance on the chemical side of the Exchange, but inquiry seemed to be confined to heavy chemicals, especially bleaching-materials. Caustic soda of high strengths brought full rates, but there was little or no change in bicarbonate of soda crystals. Lead products are still scarce, and, owing to the lack of labour, it is stated that there will probably be a discontinuance of production locally in the near future. Meantime, in other departments there have been few changes. Permanganate of potash ruled higher, and other potash products were in sellers' favour. It is difficult to predict the course of sulphate of copper in the near future. On Tuesday a sharp advance in the raw material was announced; but, notwithstanding this, the figure stood at 27*l.* 12*s.* 6*d.* to 27*l.* 17*s.* 6*d.* per ton, Manchester. In coal-tar products sulphate of ammonia is again higher at 13*l.* 2*s.* 6*d.* to 13*l.* 7*s.* 6*d.* per ton, London; 13*l.* 15*s.*, Hull; 14*l.* to 14*l.* 2*s.* 6*d.*, Leith (2*s.* 6*d.* higher July-December delivery); and 13*l.* 7*s.* 6*d.* to 13*l.* 12*s.* 6*d.* f.o.r. Manchester. Benzols remain nominal, and there is a quiet feeling in carbolic acid.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin market under date up to May 16:

ACETIC ACID is active, especially 80 per cent. for the manufacture of vinegar. The price of 98 to 100 per cent. is from m.95 to m.100 per 100 kilos.

BALSAMS.—*Peru* is a trifle cheaper, having been sold at m.34 per kilo. *Tolu* is still quiet at from m.6.50 to m.7 per kilo.

CAMPHOR.—Refined is not very active, and is about m.750 per 100 kilos. For the preparation of external medicines, synthetic is generally used at present, and in consequence of the high prices of raw material the price is from m.675 to m.700 per 100 kilos.

CASSIA FISTULA is obtainable at m.30 per 100 kilos.

CEVADILLA.—The quantity offered much exceeds the demand, and consequently the low prices of from m.135 to m.145 per 100 kilos. are current.

CITRIC ACID is asked for in large lots, but only small lots offer from m.600 to m.610 per 100 kilos. is quoted.

ETHER has been advanced by m.4 per 100 kilos. by the Convention in consequence of the high prices of spirit.

FORMIC ACID.—Makers have to pay high prices for raw materials, and have advanced the prices of chemically and technically pure by 20 to 25 per cent.

HYDRASTIS is obtainable at m.65 per kilo.

KOLA is quiet, but prices are expected to advance on account of the increased spring demand.

LYCOPODIUM.—Demand has somewhat increased; twice sifted is quoted at m.7 per kilo.

OPIUM is obtainable from second-hands, and Turkey is furnishing supplies regularly. Opium testing 10 per cent. is obtainable at m.40 per kilo. Little is known about the new crop.

PARAFFIN.—Prices have undergone little change; 50-52° American and Austrian paraffin have been sold at from m.96 to m. 111 per 100 kilos.

PHOSPHORUS.—Prices are from m.11 to m.13 for amorphous, and from m.8.50 to m.70 for white phosphorus per kilo.

QUICKSILVER is quiet. The price is about m.225 per bottle; but a decline is not looked for.

QUILLAIA is very firm. Cut is quoted at m.200 and higher.

QUININE.—The Convention, which has already advanced the prices by 5 per cent., have now decided on a further advance of 8 per cent.

SENEGA.—The demand has fallen off, and the lower price of about m.650 per 100 kilos. exists.

SPERMACETI is active; from m.250 to m.260 per kilo. has been paid, and prices have an advancing tendency.

SULPHUR.—Refined is higher at m.30 per 100 kilos

TARTAR AND TARTARIC ACID are not scarce as yet, but very firm. Tartaric acid is quoted m.425 per 100 kilos.

TURPENTINE OIL.—The "commandeering" of this article has been revoked. It is to be had in small quantities at m.250 per 100 kilos. in Berlin. Substitutes are obtainable in Hamburg at between m.98 and m.145.

ZINC OXIDE.—The Convention has advanced the price by m.2 per 100 kilos.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. HENRY STALEY, chemist and druggist, 115 Station Street, Burton-on-Trent, has retired from business.

MR. SAMSON A. ROBEY, chemist and druggist, has opened a pharmacy at High Street, Clay Cross, near Chesterfield.

MR. W. G. ROSE, chemist and druggist, 320 Roman Road, Bow, London, E., has disposed of his business to Squire & Co., chemists and druggists.

MR. W. J. FINDLAY, chemist and druggist, has disposed of his business at 41 London Street, Reading, to Mr. R. B. Burn, chemist and druggist.

WLADYSLAW, HOFFMAN & Co., Petrograd, have transferred their business to No. 29 Kazanskaia, in that city, the district being specially suited to their business.

MR. WALTER E. SELWOOD and Mr. Thomas A. Nash, both of whom have been associated with the business of the late Fredk. Graf for twenty-five years, have taken over this drug-business as and from June 1, 1915. It will be carried on by them under the style of Selwood & Nash, at 65 Fenchurch Street, London, E.C.

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Correspondence

Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

Territorial Representation.

Sir,—There is no doubt that "Xrayser II." is right: if the chemist is to "come into his own," there must be some form of territorial representation on the Council. Your correspondent Mr. R. Cecil Owen has pointed out that this particular catchword has been a kind of red herring for a long time. For about thirty years it has been before the chemist. The fact that it has been shuttlecock to the battledore of various reformers for all this time does not make it a worse thing. The idea is certainly the Parliamentary one, but surely, when there are only seven representatives to elect each year, there ought to be no difficulty in getting good local men. At the moment the Council is about as representative as it ever has been, yet next year it might be totally different. Supposing the country were divided into seven sections, each section to be responsible for sending one member each year, the divisions would be, say—

1. Scotland.
2. England, north of the Trent.
3. England, from Trent to Thames.
4. Wales.
5. London.
6. Outer London, including Thames Valley.
7. South Coast, Jersey, Guernsey, etc.

Each division to have about the same number of votes.

These rough divisions might each be represented by three members on the Council. If these were made permanent divisions the number of candidates would be quite double what they are to-day. The interest in the elections would be more than double. It would be necessary to have a second ballot, so that the elected candidate should really represent the majority. It would no more narrow the outlook of pharmacy than a General Election narrows the outlook of the British citizen. Election expenses would be less. A candidate would not have to fight all the seven retiring Councillors as at present, but only the one in his own division. Following on Parliamentary lines, it would not be a bad idea to go in for payment of members. Of course, there are many other things one might suggest; but if we could once get the principle of territorial representation adopted the rest would follow in its train. The divisions I have suggested are at present represented on the Council as follows:

1. Scotland...	2	5. London	4
2. North England ...	5	6. Outer London	2
3. Middle England ...	3	7. South England ...	4
4. Wales	1		

It would need very little alteration to have the desired reform, and the very best men connected with pharmacy would be our representatives. Each division shows that it can supply the necessary good and reliable men, and it will be able to continue to do so. At the present time what do we Englishmen know about the Scotch candidates? As a rule, nothing; yet we vote for them because we feel they ought to be represented. It is only a step further to ask each section of the country to elect its own representative only.

Yours faithfully,
Harrogate. A. Mortimer.

Chemists and Conscription.

Sir,—May I heartily endorse Mr. Franklin's suggestion that badges should be supplied to those of us who feel we ought not to enlist? I often feel that I am boycotted because I have not joined, although I have very good reasons for not doing so. If we could have some visible sign to that effect, we should feel that we were not being looked upon as shirkers.—Yours sincerely,

Assistant. (115/28.)

Sir,—The suggestions in your last issue that pharmacists and their staffs should be exempt from conscription are important It should be the duty of the Pharmaceutical Society to draw the attention of the War Office to the deplorable state the country would be in should the trained pharmacists be further withdrawn from the service of the public. This notification to the authorities should be done at once before the arrangements for compulsion which are probably being made are completed.—Yours faithfully,

L. S. W. (115/32.)

[Other correspondence on this subject has been received.]

Hospital Gauze Contracts.

Sir,—Referring to the paragraph on this subject, under French News, in the *C. & D.*, May 29, p. 39, we would suggest that the warning to British firms should take another form to that given—viz., to refuse to enter into any contracts with French firms for special gauzes unless payment of a considerable portion of the contract is made in advance. We have recently had a large contract for specially made material cancelled because a heavy duty had been imposed in the meantime, although our contract note had a clause *re* any imposition of duty being to buyers' account. Our only recourse was proceedings in the civil courts, which would have been undesirable in existing circumstances. Yours faithfully,

Charterhouse Square, E.C. Carnegie Bros.

Sir,—With reference to the paragraph which appeared in your last week's issue under the heading "Hospital Gauze Contracts," conveying a warning by the British Chamber of Commerce in Paris to British shippers of surgical gauze for French hospitals, as to the imprudence of making contracts for delivery on basis of exemption from duty, we regret to state that, in our experience, it would not be safe to make contracts for forward delivery even after taking all the precautions which the Chamber suggests. The reason why France had to import gauze was doubtless due to the collapse of her cotton-factories, and the need of surgical gauze for the treatment of the wounded in war being urgent the import-duty was cancelled to permit of its free entry from this side. In the closing months of last year and in January we made large contracts for forward delivery f.o.b. London. Suddenly in March last, without any previous warning, a heavy duty—very nearly doubling the cost of the gauze—was imposed on its entry. Presumably the reason for doing so was that the French mills had been getting to work again, and were able to resume the supply of the Government's requirements. Thereupon the French buyers cancelled their contract balances. The remission or reimposition of duties in such case is, of course, a matter entirely within the province of the French Government, but when the buyer claims that it releases him from his contract obligations he is not playing the game. Had we undertaken to deliver in France duty paid, it is certain that we should not be allowed to cancel the contract because of any increase in the duty. The upshot of it is that we are left with heavy stocks of gauze on our hands, specially prepared for use in the French military and civil hospitals, for which we cannot now get disposal instructions or payment. That a hardship of this kind should be created by the action of the French Government under such circumstances was not to be expected.—Yours faithfully,

London. J. F. Macfarlan & Co.

Is it Legal?

Sir,—If you refer to the *C. & D.*, May 22, p. 88, you will find a report of the Pharmaceutical Society's annual meeting, at which, when I was about to refer to the money allotted by the Government to pay chemists for drugs and labour having been lavishly and unequitably used for another purpose, the President replied that it was not the proper time to discuss it, although he had just referred to the Insurance dispensing. I had previously informed the President direct by letter of my doubts as to the Insurance Committee having a legal right to allot, and the Pharmaceutical Committee a right to receive, the chemists' money. No wonder the President replied it was not the proper time to discuss the subject. It appears that the Government allotted a fund to pay the doctors, also a fund to pay the

chemists for drugs and labour, and a fund to pay for the administration of the Act. During 1913 and 1914 the London Insurance Committee checked the pricing of the chemists' prescriptions according to our contract, and it is assumed that they paid the expenses out of the fund for the administration of the Act. The President of the South-Western Pharmacists' Association admitted at our last meeting that the Insurance Committee had allotted unconditionally to the Pharmaceutical Committee 2,500*l.* of the Drug Fund money. I find that the first thing the Pharmaceutical Committee did was to give the Hon. Secretary (Mr. G. A. Tocher) 400*l.* a year and to appoint Mr. A. E. Bailey to a lucrative appointment as superintending the pricing of prescriptions [see Editorial footnote]. We have now to accept the value of our prescriptions in a lump sum, as sent us by the Pharmaceutical Committee. Of course, our own Committee should be above suspicion. The late Mr. Danckwerts, K.C., gave an opinion that the money allotted by the Government for the Doctors' Fund could not be applied to any other purpose. Does not the same law apply to the Drug Fund? If we do not have a trade union independent of all and every Committee, Society, or lawyer, the chemists will be in a stronger trap than a discounting trap.

59 Camberwell New Road, S.E. GEORGE CROCKER.

[It is legal, and the Danckwerts opinion does not apply. In his letter Mr. Crocker mixes up the Insurance affairs of London and Middlesex, and places upon the London Pharmaceutical Committee obligations which are shared by five other Committees. We recall that under the National Insurance Act, 1913, Section 33, Panel Committees and Pharmaceutical Committees were created, and Insurance Committees were empowered to pay (with the sanction of the Commissioners) to the Committees so created a sum not exceeding one penny per insured person per annum—that is 1*d.* of the 8*s.* 6*d.* allotted for Medical Benefit may be appropriated to run these Committees. Up to the beginning of 1914 the London Insurance Committee had its own prescription-checking department, paid for out of its own administrative expenses, the cost being 2,400*l.* in 1913. In February 1914 the Committee agreed to a scheme put forward on behalf of the Insurance, Panel, and Pharmaceutical Committees providing for the appointment of a Joint Committee, as fully reported in the *C. & D.*, February 28, 1914, p. 76. The cost was to be between 2,000*l.* and 3,000*l.*, and each of the three Committees contributes a third. Subsequently the three similar Committees of Middlesex joined the scheme, each contributing not more than 250*l.* per annum (*C. & D.*, March 7, 1914, p. 52). The scheme has been ratified by the Commissioners, and has been working for more than a year in part of the Pharmaceutical Society's premises, under the direction of persons appointed by the Joint Committee, which (not the London Pharmaceutical Committee *per se*) made the appointment referred to by Mr. Crocker. The new arrangement is still in the experimental stage and its advantages have to be proved. It should please Mr. Crocker to observe that the London Panel Committee has decided to withdraw from the tripartite checking arrangement, so that the ultimate result may be what he desires—checking by the Insurance Committee without pharmaceutical control.—EDITOR *C. & D.*]

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Use of Methyl Alcohol.

A Correspondent (118/36) urges that greater latitude on the part of the Revenue authorities would be greatly appreciated by manufacturing chemists at the present time, were the regulations as to methyl alcohol so amended as to permit this solvent to be used free of duty under proper safeguards. It is freely used in Germany, but the Excise law of this country, declaring purified methylic alcohol to be "spirits," constitutes a serious handicap to many chemists at present.

Lin. Terebinthinæ.

"(1) 'Break up' the soap with the camphor in mortar;
(2) Add ol. tereb. gradually;
(3) Then the aqua.

Time occupied: Five minutes. Result: Perfect.

I usually find all information I require in the good old *C. & D.*, but above very valuable tip appeared—elsewhere. It should be official."—*W. P.* (116/2).

"If your contributor (81/67) who writes *re* above will follow out the subjoined directions when next making a batch of lin. terebinth., he will be both surprised and gratified at the results:

Rub the camphor down very finely in a large mortar, add the soft soap, rub well together, scraping pestle and sides of mortar thoroughly and frequently to obviate any lumps. Add half the quantity of distilled water gradually (all the distilled water may be added in this way), but it is better to keep half of it back in case the emulsion should show signs of going wrong, owing either to a too rapid addition of the turpentine or to some other cause. When half the distilled water has been added and the camphor and soft soap well rubbed down together with it, add the turpentine very gradually at first, then more freely, adding the remainder of distilled water little by little, alternately with portions of the turpentine. Reserve the last portion of distilled water till the end, as this tends to whiten up the emulsion.

I may add that I have made it with ordinary commercial sapo mollis and tap-water when making it for sale over the counter, and not as a B.P. preparation, and it has turned out equally as well. The method I employ is not original, but is that of a well-known head of a College in London. Old boys of this College will no doubt recognise it."—*A. W. Cornish* (Bristol).

Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to compounding difficulties. We welcome fresh problems and invite the co-operation and correspondence of dispensers in their elucidation.

Pigmentum Zinci Oxidi.

Zinc. oxid.	6 oz. av.
Ol. olivæ	4 fl. oz.—M.b.

The above, prescribed for extensive eczema, seems worthy of a note in your Dispensing Notes on account of the resulting volume of the product. The first dispenser of it was able to send it out in an ordinary 4-oz. pot (volume 5 fl. oz.), and, as a matter of fact, if we regard the oil as a perfectly stable element, the 6 oz. of zinc oxide adds rather less than 1½ fl. oz. to the volume of the resulting product. Dispensers of pastæ of the type of Lassar are, of course, familiar with this discrepancy, but the above example seems to present it in a very strong light.—*C. C.* (25/515E).

Two Irish Prescriptions.

SIR,—Would you kindly tell me, through the columns of your journal, how the mixture No. 1 might be dispensed so as to turn it out in a presentable manner, and also if No. 2 can be safely dispensed? I have tried No. 1 in several ways, and cannot make a nice mixture of it.

AMMONIA. (109/9.)

(1)

Quin. sulph.	ʒj.
Acid. sulph. arom.	ʒiiss.
Liq. strychnin.	♏80
Ammon. carb.	gr. 48
Glycerini	ʒss.
Aquam ad	℥viij.

Ft. mist. ʒss. every five hours.

[As the ammonia is largely in excess of what the acid will neutralise, it is obvious there will be a precipitate of quinine carbonate, and the procedure in compounding the mixture should be directed towards the production of this precipitate in a state of fine division. Place the quinine sulphate and ammonium carbonate in a mortar and triturate together; add the glycerin, and mix well; then introduce gradually the aromatic sulphuric acid and solution of strychnine, continuing the trituration till the precipitate is uniformly smooth; lastly, incorporate the water in successive portions to produce the eight fluid ounces required. The precipitate is in this way obtained so fine and light that it diffuses uniformly and remains in suspension long enough to permit a dose poured out to contain its proper proportion of the medicament, and the mixture is quite fit to send out. As the mixture is wanting in "body," however, the particles of the precipitate remain on the move after the medicine has been shaken and give the whole a grey look The appearance of the mixture is much improved by the addition of 8 gr. of tragacanth, which should be triturated with the quinine and ammonia and the procedure indicated otherwise followed. This prescription reminds us

of a North of Ireland prescriber who regularly ordered dilute sulphuric acid along with chalk mixture for diarrhœa.]

(2)

Pot. iodid.	gr. v.
Pot. bicarb.	gr. v.
Calcii sulphid.	gr. j.
Sp. ammon. ar.	♏x.
Syrup. zingib.	ʒj.
Aquam ad	℥ss.

Ft. mist. Mitte ℥viij.

℥ss. ter in die.

[This may quite safely be dispensed. There is not any toxic product formed by any interaction which may occur. The calcium sulphide, being fairly light, shakes up freely and does not fall over quickly. Like No. 1, about a grain of tragacanth to the ounce gives it a pharmaceutical finish.]

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

W. F. G. (116/70).—Insurance 1914 Audit.—We have published numerous reports of Insurance Committee meetings at which explanations have been made by the Insurance Commissioners regarding the difficulty of making the final audit in respect to 1914 accounts, and we refer you to a statement on p. 53 of this issue from the Welsh Insurance Commissioners. You appear not to realise the fact that the transference of many thousands of insured men to the fighting ranks has confused matters terribly; also that nothing is to be gained by asking questions the answers to which should be known to you as a patriotic citizen. Why be a disgruntled chemist?

Beacon (87/10).—We cannot suggest anything that will disguise the smell of acetone without knowing what use is to be made of the liquid.

T. G. (95/71).—(1) We have no formula for tomato-essence. (2) The aniline marking-inks in "Pharmaceutical Formulas" do not require to be heated after using.

G. A. (112/31).—The person with the ear-trouble should be examined by an aurist. It would be unkind to suggest any treatment until the nature of the trouble is properly diagnosed.

J. R. H. (109/12).—Miscible Disinfectant-fluid.—The following is a good formula for the variety of disinfectant-fluid which turns white when mixed with water:

Coal-tar distillate (of sp. gr. exceeding 1.00)	100 parts
Resin	85 parts
Caustic soda or potash (30° B.)	60 parts
Vegetable oil	20 parts

Liquefy the resin, add the coal-tar distillates, and when thoroughly incorporated, and while the mixture is still warm, add the caustic soda, and lastly the oil.

This is from a patent of 1878. The vegetable oil gives the whiteness when the fluid is mixed with water: the product otherwise would be brown. A mixture of caustic soda and potash is now generally used, as an easier-mixing product is obtained. Another variety, employed as a surgical antiseptic, is made by using quillaia and resin soap as the emulsifying-agents.

A. W. M. (107/37).—We cannot undertake the analysis of the sample of hair-lotion you send.

O. J. D. (108/63).—Destroying Rats.—Various fumigation methods are employed for the destruction of rats in their burrows. Carbon bisulphide is used frequently. A wad of cotton-wool is saturated with the liquid and pushed into the burrow, the opening being then packed with earth to prevent the escape of the vapour. The method is only employed in cases where rats are established in open-air positions, as the nuisance caused by the decomposing bodies of the rats would be intolerable in occupied buildings. Chlorine, carbon monoxide, sulphur dioxide, and hydrocyanic acid are also employed for freeing warehouses and ships of rats. The work in these cases requires carrying out in a systematic manner and with special precautions.

C. B. D. (97/49).—White Furniture-paste.—A number of experiments would be required to decide on the proper proportions of wax and turpentine needed to match your sample. These we cannot undertake.

A. H. H. (115/21).—Books on Rheumatoid Arthritis.—Bannatyne's "Rheumatoid Arthritis" (7*s.* 6*d.*, 1906); Latham's "Pathology and Treatment of Rheumatoid Arthritis" (1*s.* 6*d.*, 1905).

W. & S. (85/3).—The sample of Preserving-powder you send consists of borax.

J. T. B. (89/46).—Alopecia.—The decomposed state of the lotion you send prevents any satisfactory result from an analytical examination. The treatment of alopecia areata is partly local and partly general; the local treatment is by the application of stimulating remedies to the bald patch, and the general treatment consists in the administration of tonics. Cantharides is the best local stimulant to employ. Acetum cantharidis diluted with 1 or 2 parts of spirit and painted on daily with a camel's-hair pencil answers well, but the application must not be pushed to the blistering stage.

H. A. G. (110/73).—(1) Zinc Chloride as a stimulating application for ulcerations for veterinary practice is used of the strength of 1 dr. to the pint. (2) To Reduce Local Swelling in an animal after castration the part should be painted with tincture of iodine twice daily, or a single application made of liniment of iodine.

Millais (108/8).—Books on Stammering.—Appelt's "Real Cause of Stammering and its Permanent Cure" (3*s.* 6*d.*); Shuldham's "Stammering and its Rational Treatment" (2*s.*). These can be obtained through a local bookseller or from medical booksellers, such as Lewis, 136 Gower Street, London, W.C. A useful book on stammering is also published at 1*s.* by Mrs. Behnke, 18 Earl's Court Square, London, S.W.

Chemical (115/27).—Lavatory-disinfectant.—Your inquiry regarding Continental disinfectants is too general to enable us to reply definitely. Why not suggest the use of Sanitas?

Diatolo (116/31).—Peroxide of hydrogen cannot be employed in a liquid dentifrice, as it is quickly decomposed in contact with organic matter.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1865.

Parliamentary Intelligence.

Select Committee on Chemists and Druggists' Bills.

(*From our own Reporter.*)

The second meeting of this Committee was held on Monday, the 15th ult., when the examination of witnesses was proceeded with. Mr. Roebuck, in the absence of Mr. Baring, occupied the chair during the greater part of the day. [Dr. Quain, Dr. Wilson, and Mr. John Mackay were examined.] On Thursday, the 18th ult., the Committee consulted for more than two hours with closed doors, and then proceeded with the examination of the witness who had been part heard on the previous meeting. Mr. Mackay again gave evidence. There were about 120 pharmaceutical chemists in Scotland, and about 450 non-pharmaceutical chemists.

After thanking Mr. Mackay for his evidence, the Chairman (Mr. Baring) requested that the room might be cleared for a short time.

When the doors were reopened,

Mr. Baring said that the Committee had agreed to three resolutions, which he would read to the gentlemen in attendance. These were:

1. That no compulsory examination or registration shall be required of persons now carrying on the trade of chemists and druggists.
2. That the Bill do provide that no other person shall, after a day to be fixed by the Bill, sell certain dangerous drugs to be scheduled in the Bill, unless he shall be examined and registered.
3. That the Committee do proceed on this day week with Chemists and Druggists' (No. 2) Bill.

Last Monday the Committee sat again, and, after a short consultation in private, informed the chemists and druggists in attendance that they had agreed to certain resolutions, and would recommend Government to introduce a new Bill based upon them. The question of legislation for chemists and druggists is, consequently, left for the new Parliament to settle.

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,, Acetylo-Salicyl. 1 lb. @ 28/- l
,, Boric Pulv., 3 cwt. @ 40/- cwt.; 1 cwt. @ 40/6 cwt.; levigd. 3/- cwt. or ½d. lb. extra.
,, Salicyl. pulv. 1 lb. @ 10/6 lb.
,, Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 1/11 lb.; parv. ½d. lb. extra.
Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
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Amyli Pulv., 10 cwt. @ 16/- cwt.; 2½ cwt. @ 16/8 cwt.; 1 cwt. @ 18/6 cwt.
Antim. Nig. Pulv., 1 cwt. @ 84/- cwt.; 14 lbs. @ 89/- cwt.

Bals. Copaibæ, pure, 44 lbs. @ 1/10 lb.; 9 lbs. @ 2/1 lb.; 1 lb. @ 2/5.
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Bismuth, P.B., Carb., 7 lbs. @ 11/10 lb.; 3 lbs. @ 12/2 lb.; 1 lb. @ 12/6 lb.; subnit. 1/- lb. less.

Caffeine, P.B., 1 lb. @ 19/3 lb.
Caffeinæ Cit., B.P., 1 lb. @ 14/6 lb.
Camphor, English Flowers, "not artificial," 5 lbs. @ 2/4 lb.; ½ oz. or ¼ oz. 7 lbs. @ 2/6 lb.; Crude, good white, about 92% as imported, 140 lbs. @ 1/9½ lb.; 28 lbs. @ 1/10½ lb.
*Chloroform, pure, B.P., 12 8-lbs. @ 1/11 lb.; 8 lbs. @ 2/- lb.; 6 1-lb. bots. @ 2/2 lb.
Cocaine Hydrochlor., B.P., 4 ozs. @ 16/6 oz.; 1 oz. @ 17/- oz.

Emp. Picis, P.B., 7 lbs. @ 8½d. lb.
,, Plumbi, P.B., 7 lbs. @ 8½d. lb.
,, Resinæ, P.B., 7 lbs. @ 8½d. lb.
,, Roborans, 7 lbs. @ 8½d. lb.
Ess. Limonis (oil) original coppers, 12 lbs. @ 4/- lb.; 6 1-lb. bots. @ 4/6 lb.; not guaranteed absolutely pure.
*Ext. Ipecac. Liq., P.B., 5 lbs. @ 21/6 lb.; 1 lb. @ 22/6 lb.
Ext. Opii Solid, P.B., 1 lb. @ 58/- lb.
Ext. Quassiæ, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.

Ferri Ammon. Cit., P.B., 28 lbs. @ 2/11 lb.; 7 lbs. @ 3/0½ lb.
Ferri et Quininæ Cit., P.B., 100 ozs. @ 7½d. oz.; 25 ozs. @ 7¾d. oz.
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Gallæ Cærul. Pulv., 7 lbs. @ 1/- lb.
Glycerin Opt. D.D., 1,260 P.B., 1 cwt. @ 106/- cwt.; 56 lbs. @ 108/- cwt.; 12 lbs. @ 1/2 lb.
Gum Acaciæ, sorts, 3 cwt. @ 45/- cwt.; 1 cwt. @ 49/- cwt.; 7 lbs. @ 7½d. lb.; English Ground Powder, No. 1, 1 cwt. @ 110/-; 7 lbs. @ 1/2½d. lb.; No. 2, 1 cwt. @ 85/-; 7 lbs. @ 10½d. lb.

Hydrargyum, P.B., 10 lbs. @ 3/11 lb.; 1 lb. @ 4/2 lb.; Ammon., 28 lbs. @ 5/- lb.; c. Creta, 28 lbs. @ 1/7 lb.; Iodid. Rub. 28 lbs. @ 13/- lb.; Oxid. Rub., 28 lbs. @ 5/- lb.; Perchlor., Lump, 28 lbs. @ 4/3 lb.; Subchlor., 28 lbs. @ 4/9 lb.; Sulph. c. Sulph., 28 lbs. @ 4/4 lb.; 7-lb. quantities 1d. lb. extra, 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.

Iodoform Pulv. B.P., 7 lbs. @ 18/6 lb.; 1 lb. @ 19/-
Iodum Resub. B.P., 7 lbs. @ 16/6 lb.; 1 lb. @ 17/- lb.

Kamala, 7 lbs. @ 1/8 lb.; sifted, 3d. per lb. extra.

*Lin. Aconiti Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.
* ,, Belladon. Meth., 5 lbs. @ 3/8 lb.; 1 lb. @ 3/11 lb. [1/1 lb.
,, Camph. P.B., 40 lbs. @ 1/- lb; 9 lbs. @
*Liq. Ammonii Acetatis Conc. 1–7 6 lbs. @ 8d. lb.; 1 lb. @ 1/- lb
* ,, Ammon. Aromat., 6 lbs. @ 10d. lb.
* ,, Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7 l
* ,, Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* ,, Bismuth, P.B, 6 lbs. @ 1/5 lb.
* ,, Antim. Chlor., Pure, 8 lbs. @ 6½d. lb.
* ,, Easton., p.s. 1–3, B.P., 1 lb. @ 3/- lb.
* ,, Ferri Dialysatus, 6 lbs. @ 7d. lb.
* ,, Ferri Iod. p.s., 1–7, 1 lb. @ 7/10 lb.
* ,, Ferri Perchlor. Fort., P.B., 7 lbs. @ 4½d. lb
* ,, Ferri Phosph. Co. p.s., 1–7, 7 lbs. @ 1/6 lb.
* ,, Hamamelidis, B.P., 6 lbs. @ 1/1 lb.
* ,, Hypophosph. Co., p.s., B.P.C., 1 lb. @ 3/8 lb.
* ,, Plumbi Subacet., P.B., 7 lbs. @ 4d. lb.

Mag. Calc. Levis, 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/- oz.; 16 oz. @ 14/3 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bimeconate or Tart, 1 oz. @ 18/3 oz.

Naphthalene Candles or Balls, 1 cwt. @ 25/- cwt.; 56 lbs. @ 27/6 cwt.; 28 lbs. @ 29/6 cwt.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 2/11½ lb.
Ol. Anethi Ang. B.P., 1 lb. @ 15/6 lb.
Ol. Anisi, E.I., 66 lbs. @ 4/1 lb.; 16½ lbs. @ 4/6 lb.; 4½ lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.

In consequence of the unsettled state of the price of Alcohol we are unable to definitely fix our rates for lines containing Spirit. We will do so as soon as we possibly can.

Ol. Aurant., 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.
Oil of Bays, genuine W.I., 9 lbs. @ 10/6 lb.
Ol. Cajuput., B.P., 21½ oz. bots. @ 3/6 lb.
Ol. Camphor. Essent., White, 40 lbs. @ £5 cwt.; Brown, 40 lbs. @ 120/- cwt.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 5/1 lb.; 4½ lbs. @ 5/3 lb.
Ol. Cassiæ, 16 lbs. @ 3/6 lb.; 6 lbs. @ 3/11 lb.
Ol. Cinnam., 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.
Ol. Citronellæ, 9 lbs. @ 2/3 lb.
Ol. Coco. Nucis, finest White, 80 lbs. @ 69/- cwt.; 40 lbs. @ 70/- cwt.
Ol. Eucalypt., B.P., 1 cwt. @ 1/4½ lb.; 28 lbs. @ 1/5½ lb.; 9 lbs. @ 1/7 lb.
Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Gynocardiæ, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
Ol. Juniperi Bacc., B.P., 1 lb. @ 9/6 lb.; Ligne Exot., 1 cwt. @ 1/8½ lb.; 28 lbs. @ 1/9½ lb.; 9 lbs. @ 1/10½ lb
Ol. Lavand. ab Flor., 5 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.
Ol. Menth. Pip. English, 5 lbs. @ 35/6 lb.; 1 lb. at 36/6 lb.; Hotchkiss original bots., 21 oz. each @ 14/6 lb.; American, 20 lbs. @ 8/3 lb.; 4½ lbs. @ 8/11 lb.; 1 lb. @ 9/6 lb.; Japanese, 60 lbs. @ 3/11 lb.; 5 lbs. @ 4/4 lb.
Ol. Morrhuæ, 1914, finest non-freezing, 25 gall. tin-lined barrels @ 180/- per barrel; 2-gall. tins @ 8/- per gall
Ol. Myristicæ, 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.
Ol. Nucis Pallid., 45 galls. @ 4/3 gall.; 2 gall. tins @ 5/6 each.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 6/6 gall.
Ol. Origani Rub., Coml., 28 lbs. @ 1/10 lb.; 9 lbs. @ 2/- lb.
Ol. Peach Kernel (so-called), 1 cwt. @ 1/3 lb.; 56 lbs. @ 1/5 lb.; 9 lbs. @ 1/6 lb.
Ol. Pulegii B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.
Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ 62/6 cwt.; 9 lbs. @ 8½d. lb.; for export, 1 cwt. drums recommended, 9/6 each extra.
Ol. Rosmarini, Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 25/6 lb.; 1 lb. @ 26/6 lb.
Ol. Sassafras, genuine, 28 lbs. @ 3/8 lb.; 1 lb. @ 4/- lb.
Opium Turc. B.P., 14 lbs. @ 25/6 lb.; 3 lbs. @ 26/- lb.; 1 lb. @ 27/- lb.; powder, 6d. lb. extra.
Oxymel Scillæ, B.P., 5 cwt. @ 36/- cwt.; 1 cwt. @ 40/6 cwt.; *7 lbs. @ 7½d. lb.

Papain, 1–80, 1 oz. @ 1/9 oz.
Paraffinum Durum, B.P., 2 cwt. @ 3½d. lb.; 1 cwt. @ 3½d. lb.; 56 lbs. @ 3¾d. lb.; 7 lbs. @ 4¾d. lb.; Molle Flav., B.P., 3½ cwt. @ 23/6 cwt.; 1 cwt. @ 33/- cwt.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 5d. lb.; Alb. B.P., 3½ cwt. @ 66/- cwt.; 28 lbs. @ 8½d. lb.
Pepsin, B.P., 1 lb. @ 12/- lb.
Potas. Acetas. Gran. P.B., 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.
Potas. Bicarb. Pulv., 1 cwt. @ 72/- cwt.; 7 lbs. @ 9d. lb.
Potass. Brom. P.B., 7 lbs. @ 5/8 lb.
Potass. Cit. B.P., 7 lbs. @ 3/1 lb.
Potass. Iod., P.B., 14 lbs. @ 13/6 lb.; 3 lbs. @ 14/- lb.
Potass. Permang., Cryst., 7 lbs. @ 1/10 lb.

Quininæ Sulpb., B.P., 100 oz. @ 1/4 oz.; 25 oz. @ 1/5½ oz.; 10 oz. @ 1/6 oz.

Saccharine, 7 lbs. @ 36/6 lb.; 550 or 500 1 lb. @ 37/6 lb.; 330 7 lbs. @ 34/- lb.; 1 lb. @ 35/6.
Saffron Valentia, B.P., 7 lbs. @ 48/- lb.; 1 lb. @ 50/- lb.; 1 oz. @ 3/6 oz.
Salicinum, B.P., 1 lb. @ 16/10 lb.
Santoninum, P.B., 8 oz. @ 165/- lb.
Soda Cit., B.P., 3 lbs. @ 3/4 lb.
Sodii Bromid., P.B., 7 lbs. @ 5/8 lb.
Sodii Salicyl. Pulv., 4 lbs. @ 13/6 lb.
Strychnina Cryst. B.P., 4 oz. @ 2/8 oz.; Hydroch. and Sulphate, 2d. oz. less.
*Syr. Aurant. P.B., 7 lbs. @ 11d. lb.
,, Easton, B.P., 7 lbs. @ 1/2½ lb.
* ,, Ferri Iodid. P.B., 7 lbs. @ 1/5½ lb.
* ,, Ferri Phosph. Co., 7 lbs. @ 7d. lb.
* ,, Hypophosph. Co., B.P.C., 7 lbs. @ 11d. lb.
* ,, Pruni Virg., B.P., 8 lbs. @ 9d. lb.
* ,, Rhamni, 7 lbs. @ 11½d. lb.
* ,, Rhei. P.B. 7 lbs. @ 9½d. lb.
* ,, Scillæ, P.B., 7 lbs. @ 6½d. lb.
* ,, Sennæ, P.B., 7 lbs. @ 10d. lb.
* ,, Tolut., P.B., 7 lbs. @ 9d. lb.

Ung. Acid. Boric. P.B., 28 lbs. @ 7¾d. lb.; Flav., 28 lbs. @ 5½d. lb.
,, Hydrargyri, B.P., 28 lbs. @ 2/1 lb.; 7 lbs. @ 2/3 lb.
,, Hydrarg. Ammon., B.P., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/3 lb.
,, Hyd. Nit. Dil., 7 lbs. @ 10d. lb.
,, Resinæ, P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.
,, Sulphuris, B.P., 28 lbs. @ 9d. lb; 7 lbs. @ 10d. lb.
,, Zinci Oxid. Benz., B.P., 28 lbs. @ 9d. lb.

Zinci Oleat. Powder, B.P.C., 7 lbs. @ 2/- lb.
Zinci Oxid., 1 cwt. @ 60/- cwt.; 128 lbs. @ 7d. lb.; 7 lbs. @ 7½d. lb.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
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Boxes of 24 Capsules
10/-
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(RETAIL 1/9)

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Loofah both sides	8/6
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Turco white, thin	2/3
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Fancy striped blue and red squares, two patterns	3/9
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Contains no grease or colouring matter, yet has been found to revive the natural pigment.

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A Special **BRILLIANTINE** and a **SHAMPOO FLUID** are also supplied to be used with **KYHO**. **1/-** per bottle; **9/- doz** to trade.

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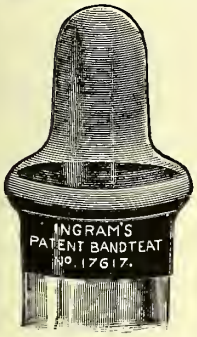

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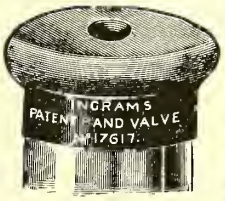

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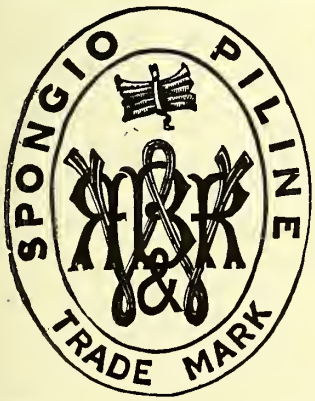

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Beware of imitations made from infer or materials now being offered to the Trade.
The advantages are greater comfort and retention of ***warmth*** and ***moisture. It can be washed and re-used as often as required,*** and obviates all the trouble of the old mode of poulticing and fomenting.

DIRECTIONS.—Simply soak it in the Water or Lotion, and apply the moist Spongy surface.

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3 & 4	6 & 8	12	16 oz.	
10/-	**11/-**	**15/-**	**18/-** per gross.	Plain or graduated.

CLEAR BLUE TINTED—Best Quality. QUININE.

3 & 4	6 & 8	12	16 oz.
11/-	**12/-**	**20/-**	**24/-** per gross.

WHITE PHIALS—Good Quality.

½	1	1½	2 oz.	
4/6	**5/-**	**5/6**	**6/-** per gross.	Plain or teaspoons.

BLUE POISON AND LOTION BOTTLES. All sizes.

We send six gross assorted or otherwise, carriage paid within 7 miles, and to certain stations. Particulars on application. Smaller quantities not carriage paid.

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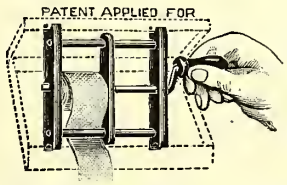
MINIATURE BANDAGE WINDER

This improved Bandage Winder has the following advantages :



It is only 5½ in. square.
Owing to its construction a Clamp is unnecessary.
It can be used as illustrated between the lid of the ambulance box.

Price complete, each in box, **11/6** DOZEN

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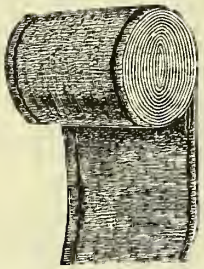
CRÊPE BANDAGES. BRITISH MAKE.

LIGHT AND COMFORTABLE TO WEAR.



ELASTIC, BUT CONTAINS NO RUBBER.

Fig. 1331—The "**Saffron**" **Crêpe Bandages**, fast edges, 5½ yards long when stretched out—

	Width	2 in.	2½ in.	3 in.	3½ in.	4 in.
Medium substance for ordinary wear	per doz.	6/10	8/-	9/-	10/2	11/3
Stout " " **hard** "	"	8/9	10/6	12/4	14/4	16/-

Full directions for use with each Bandage.

Cotton Elastic Web Bandage ... ... per doz. yards, 2 in. **3/6**, 2½ in. **4/6**, 3 in. **5/6**

Leg Bandage, 3 yards long, fitted with tapes, ready for use, each **1/6**

The "Empire" Elastic Hosiery.

		Stockings.	Knee Caps.	Anklets.	Leggings.
Cotton Elastic, ordinary quality, for **hard** wear	per pair	3/6	2/9	2/9	3/-
" " special line	"	3 -	2/6	2/6	—

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards

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91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

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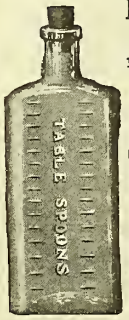
:: YORKSHIRE MAKE ::

PRESENT LOWEST PRICES.



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1½ & 2 oz.	3 & 4 oz.	6 & 8 oz.	10 oz.	12 oz.	16 oz.	20 oz.
9/3	9/6	10/3	15/6	17/6	23/6	25/6 per gross.

GREEN PANELLED (three sides)

1/- per gross extra to above prices up to 8 oz., 2/- extra beyond.

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2½ oz. **10/6**; 5 oz. **12/6** per gross.

POISON. Oval Ribbed, Pale Green (for Ammonia)

3 & 4 oz.	6 & 8 oz.	10 oz.	12 oz.	16 oz.	20 oz.	
11 6	12/6	16/6	18/-	23/6	26/-	per gross.

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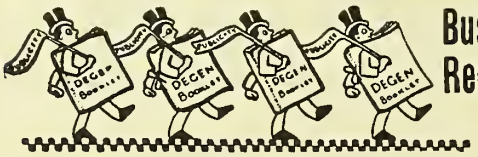

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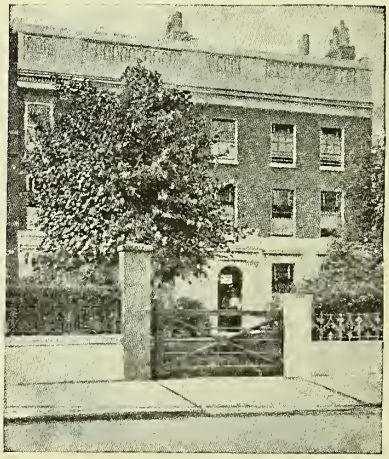

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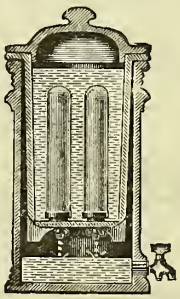

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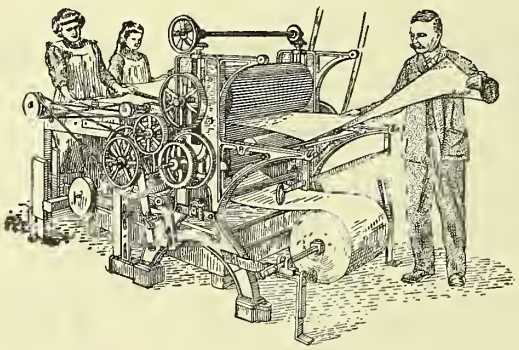

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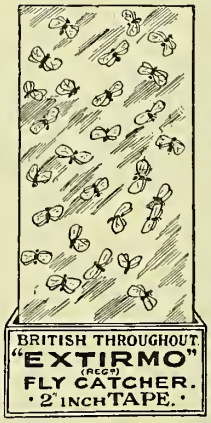

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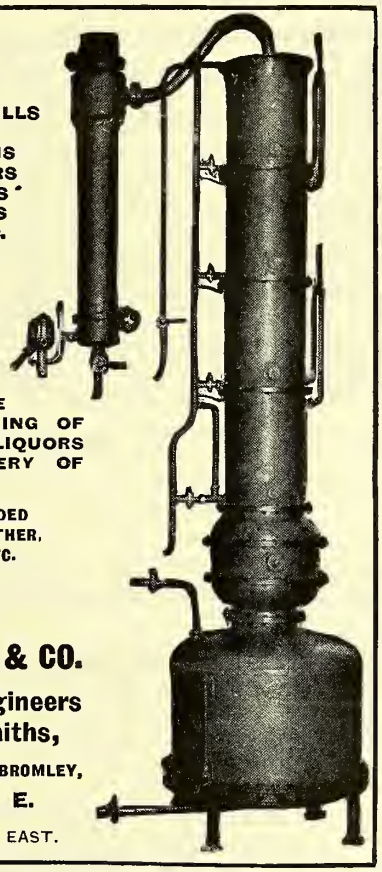

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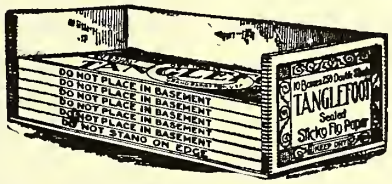

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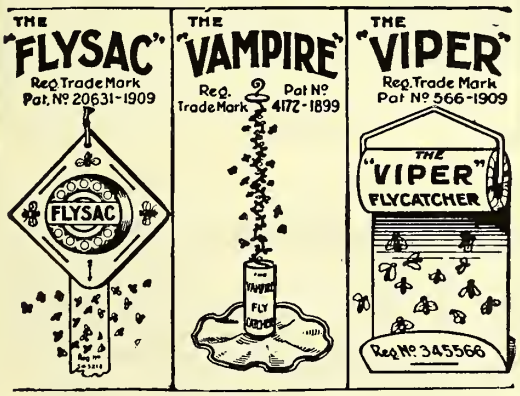

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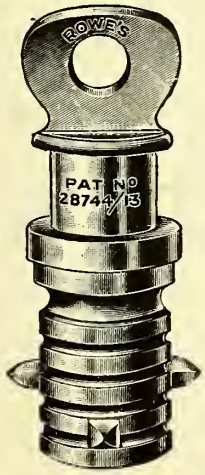

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support the arch or instep, removing all strain and uneven pressure, giving instant relief to tired aching feet, weak ankles, corns, bunions, and flat foot, etc. Made of special Silveroid Metal, leather covered, light and comfortable. Worn in any boot unnoticed.
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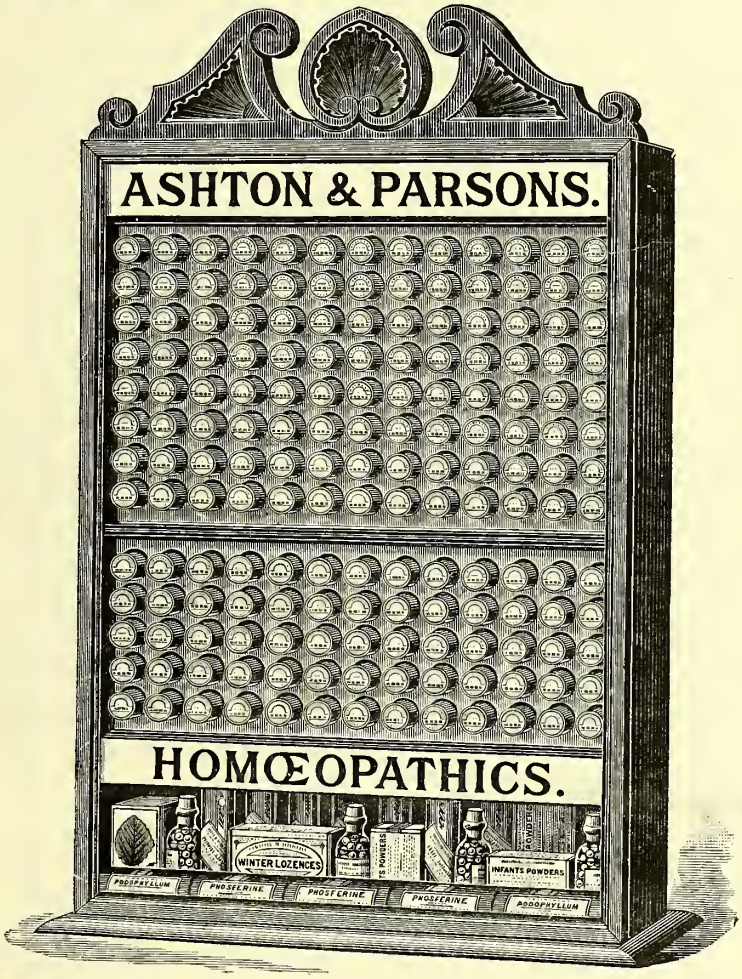

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, JUNE 5, 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

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That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

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1.—FOR IMMEDIATE DISPOSAL.—Wholesale Drug Business, including good sale for Packed Goods; returns £8,000; *gross profit* £2,000; about the value of stock and fixtures would be accepted.

2.—LONDON, S.W. (Attractive Locality).—Light Retail and Dispensing Business; returns £1,200, with scope for extension; well-fitted shop, fully stocked; convenient house; serious breakdown in health cause of sale; terms, goodwill £100 and valuation.

3.—LONDON, S.W.—Light Retail and Dispensing Business; returns, present rate, exceed £900 per annum; *gross profit* 50 *per cent.*; well-fitted shop; commodious residence, private entrance; held on lease; price £800.

4.—MIDDLESEX (Few Miles Out).—Retail and Dispensing; very profitable middle-class Business; returns £1,500; will bear the fullest investigation; modern fitted shop and convenient house; valuation and small premium for goodwill.

5.—LONDON, W.—High-class Dispensing and Retail Business; established many years, and held by vendor upwards of 40 years; now retiring; returns £1,300; *net profit* £400 (proof given); very good house; price about £1,250.

6.—LONDON (Favourite Residential Suburb).—For immediate Disposal, good-class Business; returns £1,300; *net profit* 25 *per cent.*; the concern is known to us and we can recommend it; valuation with premium to be arranged.

7.—LONDON, N.—Retail and Dispensing Business, situate in shopping thoroughfare; returns between £1,700 and £1,800 per annum; *gross profit* 40 *per cent.*; price about £1,100; full investigation invited.

8.—MIDLANDS (Health Resort).—Death vacancy.—For immediate Disposal, an old-established Business, Retail, Dispensing, with some Photography; returns £800 (about); scope for doing double under energetic management; well-fitted double-fronted shop; large house; price about £700.

9.—SOUTHERN COUNTY.—Retail and Dispensing Business; returns, present rate, £2,000; modern shop, well fitted and attractive; terms, goodwill £125, stock and fixtures at valuation.

10.—WEST OF ENGLAND (Death Vacancy).—Old-established Business; held by late owner upwards of 33 years; returns last year £1,050, formerly £1,300; *net profit* £250; excellent residence; rent £65; price £475.

11.—LANCS (Large Town).—Cash Retail, with excellent Optical connection; returns show a steady increase, last year being £1,380; *net profit* £580; terms, valuation of stock and fixtures and sum for goodwill to be agreed equitably.

12.—SUSSEX.—Retail and Dispensing Business, situate in good locality; returns about £850; *profits good, fully up to the average*; comfortable residence; well appointed shop; price £365.

13.—YORKS (Village).—Retail, Prescribing and Agricultural; returns £450; *net profit* £160; rent £19, including residence; price £250, about the value of stock and fixtures.

14.—SOUTH COAST.—Old-established Business, essentially Dispensing and good-class Retail; returns £2,500; the shop is handsomely fitted and is situated in one of the principal streets; terms, valuation of stock and fixtures; illness cause of sale.

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Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

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AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

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£2,500 Returns.—Yorkshire.—Old-established Family Retail with Agricultural and Wines and Spirits, in good market town; there is plenty of scope for one or two young energetic men; vendor owns the property and will grant lease; price about £1,500, or small goodwill and valuation of stock and fixtures.

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£770 Returns.—Hull, Yorkshire (Death Vacancy).—To effect a speedy sale will accept £300; fine chance.

£1,200 Returns.—London.—Good-class Light Retail; splendid front; at valuation of stock and fixtures, about £600.

£900 Returns.—London, N.—Fine double-fronted shop; good house; Family Retail; fine opening for Optics or Dentistry; price £450.

£1,200 Returns.—North Staffs.—Old Family trade with fair Dispensing; net profit £300; price £500, or nominal goodwill and valuation.

£900 Returns.—Inland Watering-place, easy Distance of Town.—High-class Retail and Dispensing; full prices; to a person used to this class of trade this offers an exceptional opportunity; price about £750.

We have cash Buyers for businesses from £500 to £5,000.

Valuations conducted upon the shortest notice at moderate fees.

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Tel. No. Finchley 812.

All correspondence should be addressed as above.

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First reasonable offer will be accepted for undermentioned:

DEATH VACANCY.—Norfolk Coast; near Station and Hotels; modern house and shop; valuation would be about £300.

UNOPPOSED, with absolute net profit £212; only open three years; returns £358, £514, £590, and continued increase this year; large house and garden; low rent.

JOINED Kitchener's Army, ordered abroad.—Profitable and prosperous Business, West Midlands; about £250 immediate sale; part cash can remain.

Larger Businesses in various parts of the country.

All the above are perfectly genuine and desirable Businesses, which only require to be seen to ensure sale.

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CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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2.—HERTS.—Good-class Business, increasing; returns near £1,000; net profit £300; handsome shop; price £750

3.—WEST MIDDLESEX.—Good class, in best position; returns £1,510; good profits; handsome modern Pharmacy; price for goodwill and fixtures £450; stock at valuation.

4.—LOWESTOFT (Death Vacancy).—Cash Retail with valuable Proprietaries; central position; plenty of scope; returns £1,000; profits half; price £500, or first reasonable offer.

5.—MONMOUTHSHIRE.—Cash Retail; no Panel; returns £800; net profit about £250; price only £250.

6.—HOME COUNTY (Popular Seaside Resort).—Good-class Business; increasing; returns over £20 a week; excellent profits; fine house and Pharmacy; price for quick sale about £600.

7.—SOMERSET (Thriving Market Town).—Good Family Retail and Agricultural; returns £1,100; low rent; excellent house; modern Pharmacy; price £600; £400 can remain.

8.—SUSSEX COAST.—Unopposed; returns over £800; net profit £250; central position; good house; price £500.

9.—KENT.—Unopposed Light Country Retail; returns about £600; net profit £203; splendid house, garden, etc.; price £350.

10.—WEST END.—Good-class Retail and Dispensing; returns over £1,100; low rent; good stock; price £600, or offer.

11.—LONDON, N.W.—Good-class Business, in very best position; returns £900; scope for increase; price £350.

12.—LONDON, E.—Exceptional offer; sound Cash Business, under management many years; returns £1,200; net profit £400 clear; busy marketing centre; owner retiring; price £650.

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We undertake stocktakings on a very low scale of commission or an agreed fixed fee, and also price out Chemists' own stocktakings. Please apply for our terms.

Businesses Wanted. Buyers Waiting.

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DERBYSHIRE Mining Village.—The only Chemist's Business in the place; nearest opposition 6 miles; turnover 1914 £670; profits £250; will sell for price of stock and fixtures, about £300; great scope for increase. Apply, "Chemicus" (98/7), Office of this Paper.

EASTERN COUNTY (County Town).—£250 cash; first-class Family Retail and Dispensing, in best residential locality; returns over £800, scope for much more; sole cause of sale, taken Government appointment; price £350; £100 could remain; must sell at once. "M. E. T." (105/2), Office of this Paper.

GRAYSHOTT (Haslemere), Growing Neighbourhood, many Military Huts being erected near.—First-class corner shop, with cellar and dwelling-house; best position main road; rent £55 on lease. Apply, Owner, Stokes, "Whyteland," Tilehurst-on-Thames, Berks.

HULL.—Very profitable Light Suburban Retail Business; good position, main road; returns £885; sole cause of sale Mr. Calvert now with H.M. Forces; low price. Calvert (Hull), Ltd., 14 Newland Avenue, Hull.

LONDON, N.—Cash Retail for Disposal owing to ill-health; established 85 years; corner position; main thoroughfare; good house; shop recently refitted; well stocked; returns, at good profits, £825; N.H.I. £225; both can be increased under personal charge; opening for Dentistry and Optics; price £600 for quick sale. Apply, 120/19, Office of this Paper.

ONDON, N.—Lock-up Branch; handsomely fitted; well stocked; opened 9 months; high-class residential district; plenty of ope; splendid opening for beginner; reasons for Disposal, manage-ent trouble and ill-health; price £300 net cash, less than cost, bargain. 104/12, Office of this Paper.

ONDON, N.W.—High-class Pharmacy, well stocked; established over 50 years; returns for 1914 £1,000, increasing; low at; main road of popular residential district; Dental and otical work could be added to advantage; a good opportunity r up-to-date man; reasonable price asked. Apply, 98/12, Office this Paper.

ONDON, West.—Light Retail and Dispensing; turnover last 3 years £977, £1,002, £991 (N.H.I. £110-£130 in addition); nt £90; part let off; immediate sale to enable owner to join M. Forces; offers wanted. 104/33, Office of this Paper.

ONDON Suburb.—Genuine old-established Business for Sale; returns last year £1,600; formerly well over £2,000; 2,600 escriptions at fair prices; proprietor, retiring, will accept bare lue of stock and fixtures. 102/5, Office of this Paper.

ONDON, S.W.—High-class suburban Business on main road; returns for 1914, £1,450; price valuation, no goodwill; ase 17 years to run; insured for £1,000 against all war risk; vestigation necessary before full particulars are given. Write arrange appointment to "Come and Buy" (107/67), Office of is Paper.

ANCHESTER.—Chemist's Business or Stock and Fittings for Removal; good thoroughfare; large elegantly fitted shop; lished mahogany wall and counter cases, dispensing screen, onge case, cupboards, etc.; good house, separate entrance; ommodation for Wholesale; rent £50; at valuation or suitable fer (about £400). Apply, "Manchester" (104/26), Office of this aper.

IDDLESEX.—Good-class Retail; pleasant residential district, still growing; returns, under management, £1,160; rent 65; fine corner double-fronted shop; spacious Pharmacy, hand-mely fitted and well stocked; near station; price £800. 98/15, ffice of this Paper.

ONMOUTHSHIRE.—Drug Store, in good industrial district with population of 14,000; cash trade; good progressive usiness; returns last year £800; splendid chance for qualified an; nearest two miles; satisfactory reason for disposal; valuation ly. Apply, "Urgent" (98/14), Office of this Paper.

EAR Leeds.—Drug Store, in populous and thriving neighbour-hood, entirely unopposed; lock-up shop with cellar; would well under qualified management; rent £12 per year clear; rice, valuation of fixtures; stock can be removed if not required; oks kept for last twelve years; must sell at once. 102/8, Office this Paper.

NORTH Kent (25 Miles from London).—All cash; good-class Retail Business; electric light; corner shop; good house, side ntrance; moderate rent; pleasant locality; returns about £600, ncreasing; net profit about £200; splendid opening for Dentistry nd Optics; price £250, or near offer. 101/5, Office of this Paper.

NORTH OF ENGLAND (Charming District).—Good-class Retail, with Agricultural and very exceptional Proprietaries, having ood sale, beyond own Retail, and capable of unlimited exten-on with more capital; every facility given and courted for sting the business; net profit approaches £600; goodwill £350 nd valuation of stock and fixtures estimated at about £2,000. North" (105/02), Office of this Paper.

QUEENSLAND, Australia.—For Sale as a Going Concern, well-established, first-class Chemists' and Dentists' Business progressive farming and grazing district; new brick premises, mprising handsome shop, dental surgery, waiting room, work om, and photographic dark room, all suitably fitted and rnished; surgery, which was built to own requirements as to ghting and ventilation, is fitted with Favorite Columbia chair, untain spittoon, dressing wagon, and other modern accessories; early five years' steadily increasing takings; last year's income-x returns show sales over £1,813; excellent profits; one other hemist in town; hospital and lodge contracts divided at good rices; ten years' lease at £2 weekly; price about £1,400, epresented by Chemists' stock and fittings, £850; dental plant nd instruments, £300; dental contingent accounts, being work hand and to come in on which deposits have been paid, from 100 to £150; goodwill, £100; proprietor leaving Drug trade practise Dentistry only in another district. 44/4, Office of his Paper.

WALLASEY.—For Sale, high-class Dispensing Business; select neighbourhood; turnover considerable. Walker, Chemist, alpas.

A COMPACT Ready-money Business, well stocked, good appear-ance, and good house, in main thoroughfare and opposite nother; returns about £350; N.H.I.; established in 1877 by resent owner. Apply to "J. L.," c/o Messrs. Evans, Sons & o., Hanover Street, Liverpool.

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CHEMIST, earnestly wishing to join R.A.M.C., will Dispose of his Business, in a Surrey village, at a very reasonable price; nice house and garden; beautiful locality; certain steady income for elderly Chemist, or could be greatly increased by energetic man. 102/25, Office of this Paper.

CHEMIST'S Business for Sale in busy thoroughfare of Man-chester; well-fitted shop; sole reason for disposal being lack of capital; price for stock, which includes Proprietary Article of general use, fixtures, fittings, and goodwill, £350, or would enter-tain Partnership; month trial allowed. Further particulars from J. W. Riley, F.A.I., Auctioneer and Valuer, 49 Blackfriars Street, Manchester.

FOR Sale, well-stocked, handsomely fitted Chemist's Business, situate in good working-class locality; rent low; good living accommodation; net yearly profits £200; open to immediate cash offer. Full particulars, Granville Roberts, Accountant, 67 Queen Street, Cardiff.

GENUINE Business for Sale, with unusual scope for increase by younger man; owner, aged, wishes to retire; N.H.I. Dis-pensing not been added, nor any side-line; excellent opening for Dentistry; good house; average net profit £200; price £300, or near offer. Apply, "Notts" (98/10), Office of this Paper.

HANDSOME Pharmacy in the West End; high-class connection, with excellent opening for Continental Pharmacy; rent £100 per annum; let off, £127; chance of a lifetime for a single man; for a quick sale value of stock and fixtures and nominal sum as goodwill accepted. Apply, "Crown" (100/24), Office of this Paper.

LIGHT Retail and Prescribing Business in provincial town; small, but profitable and capable of considerable extension; advertiser, wishing to retire, offers partnership introduction to early purchaser. 101/1, Office of this Paper.

OLD-ESTABLISHED City Business for Sale, a bargain; pro-prietor in Army; average turnover £900; low inclusive rent. Apply, Jno. W. Morley & Co., 268 Earl's Court Road, S.W.

OLD-ESTABLISHED Chemist's Business; 50 years; 25 years in same hands; good Counter trade; Panel; unopposed; small house; will be thoroughly repaired; large stock of high-class Drugs; cheap for cash; must sell in consequence of the death of proprietor. Call, 146 Southampton Street, Camberwell, S.E.

WAR.—Owner, offered commission in the Army, wishes to sell his Business; turnover 1914 £940; net profit £240; excellent district; price £500; or would be pleased to appoint as Manager a qualified gentleman, either unfit or too old for service, who would welcome such a chance to help his country. 99/14, Office of this Paper.

£75.—Old-established profitable Business in busy part; death cause of sale; unequalled chance to smart man; open-ing for Panel and Dentistry; must realise at once; £50 more can remain. "X. Y. Z.," 198 King Street, Hammersmith.

£100 will purchase a sound little Business at present under female management; good house and low rent; splen-did opening for Panel work and Dentistry; West London Suburb. 99/27, Office of this Paper.

£300 or nearest offer.—Lancs (popular resort); Light Retail, Prescribing, Photographic; handsomely fitted, well stocked; commanding corner position; turnover £670; exceptional profits; valuation £390; splendid opening for Optics. Apply, 102/23, Office of this Paper.

£300 Net Profit.—Light Family Retail; good house and well-fitted shop on lease; about 8 miles from London; can be much increased by a little "push and go"; nice open district; price £450, or small goodwill and valuation. 102/17, Office of this Paper.

FOR SALE.

TOTAL Adding and Printing National Cash Till for Sale; been used about 14 months; must sell. Write, "B.," 31 Tunley Road, Harlesden, N.W.

WHOLE of Fixtures of a well fit-up Pharmacy for Sale at a nominal price; Counter Cases, Shop Rounds, Wall Cases, etc.; any offer accepted. Offers to Stocks, Chemist, Halifax.

TO LET.

ILFORD.—To be Let, double-fronted House and Shop on tram route; suit Chemist; rent £35 per annum. Agents, 28 College Street, E.C.

SURREY (in centre of Market Place and close to L. & S.W. Railway, 12 miles from London).—Good Shop and Dwelling-house, recently occupied by Chemist for 16 years; first-class opportunity for energetic man; rent on lease and particulars. Apply, W., 113 Babington Road, Streatham, S.W.

SHOP (well fitted) to Let in growing suburb; adjoining two railway stations and trams; close London; recently closed owing to death; rent £36; living accommodation if necessary; good opportunity for qualified man. Wreathall, 5 St. Martin's Place, Trafalgar Square, W.C. 'Phone, Gerrard 1900.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

RUSSIAN desires to get in touch with Pharmacist thoroughly conversant with British Chemical Industry and Pharmacy in order to secure best sources of supply for export of Chemicals, etc., to Russia. "H. R." (105/3), Office of this Paper.

WELL-ESTABLISHED Proprietary house (Ointment) are open to consider Agencies in various parts of the world outside England, Canada, United States, Australia, and South America; excellent terms given to those having a good connection. Apply, stating present Agencies and references, 74/19, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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RETAIL.

BIRMINGHAM.—Manager; qualified; must be experienced, used to modern Store business, and able to control staff. Apply, with full particulars, stating salary required, to Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

BLACKBURN.—Manager for Drug Stores and Dental depôt, unqualified, married, to live in house adjoining, with knowledge of Dentistry; good chance and permanency for suitable man; salary and commission. In reply state age, salary, references, etc., Fairhurst, 17 Furthergate.

BRIGHTON.—Qualified or experienced unqualified Assistant for high-class Retail and Dispensing business; indoors; comfortable home. Full particulars, enclosing photo if convenient, to 102/20, Office of this Paper.

CAMBERLEY.—Assistant with good Dispensing experience required; easy hours; outdoors. Full particulars to F. A. Cairns, Pharmaceutical Chemist, Camberley.

CHELTENHAM.—Wanted immediately, two Assistants (indoors) for good-class Dispensing and Photographic business; no Insurance work. Please send full particulars, with photograph, to Beetham & Clark, Promenade, Cheltenham.

COLNE, LANCS.—Qualified Chemist required at once for about 4 months, Dispensing, Photography, etc.; abstainer preferred. State full particulars as to age, references, experience, and salary required (outdoors) to A. Duckworth, 97 Albert Road, Colne, Lancs.

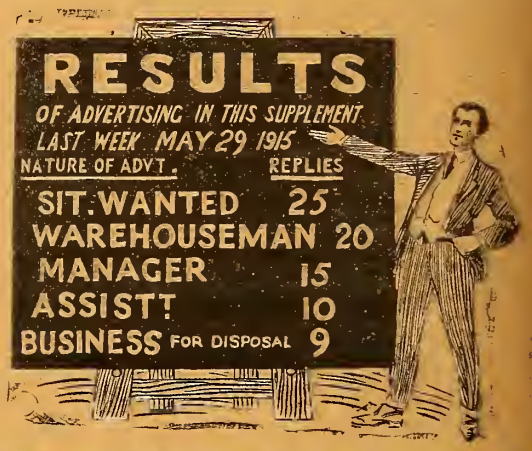
CUMBERLAND.—Assistant; unqualified; easy berth. Particulars to Herbert Smith, Pharmacist, Workington.

DEVONSHIRE.—Qualified or unqualified Assistant wanted for Light Retail; whole or part time; permanency; comfortable berth. Please state salary required, photo, and references, "Alpha" (100/26), Office of this Paper.

EALING, W.—Required, a reliable Assistant for good-class Retail and Dispensing business; capable of taking charge; qualified or unqualified; must be good business man. Apply, giving usual particulars, to A. Armitage, 72 and 186 South Ealing Road, Ealing, W.

EXETER.—Young Lady Dispenser, chiefly for Dispensing Counter. State age, height, references, salary required (outdoors), and enclose photo, Milton & Son, Pharmaceutical Chemists, 266 High Street, Exeter.

HASTINGS.—Third Assistant required in high-class Dispensing and Retail business; no Insurance Dispensing; qualified Lady not objected to. Apply, Neve & Co., Pharmacists, Hastings.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

KIDDERMINSTER.—Qualified Dispenser required by the Medical Association; commencing salary £110 per annum. Applications, giving particulars of age, experience, qualifications, etc., to be addressed to Secretary, 159 Offmore Road, Kidderminster, and endorsed "Dispenser," not later than June 10.

LEICESTER.—Wanted, Assistant; unqualified; good Dispenser, Counterman; Mixed business; outdoors. Salary required, photo, Cleaver, Chemist, Leicester.

LEICESTER.—Capable, unqualified Assistant wanted, used to high-class Dispensing, good Counterman, with knowledge of Photography; outdoors; short hours; early night fortnightly; no night duty; Sunday duty two hours monthly; splendid experience; special Technical School Pharmaceutical Classes; good salary. Particulars, with returnable photo if available, Young & Sons, Chemists, Leicester.

LLANDUDNO.—Assistant wanted, young lady or gentleman, for Light Retail, Dispensing, and Photographic business for about four months. Apply, stating age, experience, references, and salary required (outdoors), enclosing photo if convenient, to W. A. Roberts, Pharmacist, Llandudno.

LONDON (City).—Qualified Assistant to manage shop; smart Salesman; easy hours; outdoors. State experience and salary requested, 104/18, Office of this Paper.

LONDON, N.—An experienced Assistant, also Junior or Improver; time off for attending lectures or study if desired; good opportunity to learn Dispensing. Apply (letter only, stating experience, names of references, salary expected (in- or out-doors), and when disengaged), "Chemist," 300 Amhurst Road, Stoke Newington, N.

LONDON, N.W.—Wanted end of June, elderly qualified man; easy hours; outdoors. Apply, Evans & Co., 13 Turnham Green Terrace, W.

LONDON, S.E.—Unqualified Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty. State age, experience, and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

LONDON, S.E.—A young Junior Assistant (outdoors) for a quick Retail and Dispensing business; close Thursday, 1 p.m.; no Sunday duty. The Prosser Roberts Co., Pharmaceutical Chemists, 323 Walworth Road.

LONDON, S.E.—Qualified Assistant; young and energetic; indoors or outdoors; usual half-day off; alternate Sunday duty from 6 to 9.30; private house; comfortable home. Apply, giving full particulars of experience, references, salary required, and enclose photo, which will be returned, E. Cranston, 100 Culverley Road, Catford.

LONDON, S.W.—Qualified Manager for Branch; to live on premises; also unqualified Assistant; outdoors. References and salary required to A. Owen, Nettle's Pharmacy, 260 Upper Tooting Road, S.W.

LONDON, S.W.—Required, Lady Dispenser, Minor qualification, in large Dispensary; short hours of work, approximately 8.45 to 6.30. Write, stating full particulars of experience, L. J., 383, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Required, Lady Assistants in a large West-End establishment; accustomed to the Chemist trade. Write, stating age, experience, and salary required, to L. J., 385, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Assistant, with Dispensing experience, required at once. State full particulars as to age, references, experience, and salary required (outdoors) to C. J. G. Bunker, York Street, Twickenham.

LONDON, S.W.—Unqualified Assistant (outdoors) for beginning of July; salary 50s. per week; hours 8.30 to 8.30, Saturday 8.30 to 9.30; Sunday duty, every third, 6 to 8 p.m. 32/4, Office of this Paper.

LONDON (Suburb).—Assistant wanted (qualified preferred) for good Family Dispensing and Retail business; good terms to competent man. State age, height, particulars of previous appointments, etc. to "Suburb" (105/09), Office of this Paper.

LONDON, W.—Qualified Manager required immediately for Light Retail and Dispensing business; permanency, with interest in the profits, offered to the right man. 102/302, Office of this Paper.

LONDON, W.—Exceptional chance for a steady and capable unqualified man of sound experience; will be required to take charge of business; agreement with interest in the profits offered. "West" (102/032), Office of this Paper.

LONDON, W.—Unqualified Lady Assistant required for Dispensing and Light Retail, to work with qualified lady; preferably indoors; comfortable home; easy hours. State full particulars, Barran's, Chemists, 12 Northfield Avenue, West Ealing, W.

LONDON, W.—A Junior Assistant; outdoors; experienced. Apply to W. F. Pasmore, 320 Regent Street.

LONDON, W.—Wanted, an Assistant for the Dispensing Counter; one who has been accustomed to a high-class business; outdoors; three kept. Apply, with full particulars of previous experience, etc., to Mr. D. L. Lewis, Chemist, Ealing.

LONDON, W.—Qualified Assistant to sleep indoors. Application, by letter, giving particulars of experience, etc., to J. R. Walker, 36 New Cavendish Street, W.

LONDON, W.—Junior (outdoors), good Dispenser, wanted Monday, June 7. Apply, James Garner, 106 High Street, Kensington, W.

LONDON, W.—Competent Assistant required immediately; one with previous West-End experience preferred. Apply, personally or by letter, to J. Munro & Co., 273 Regent Street, W.

LONDON (West End).—Junior Assistant (unqualified) wanted; easy hours; used to stock; good experience to be gained in International Pharmacy. Apply, with full particulars of experience and salary required, to Mellin's Pharmacy, 48 Regent Street, London, W.

LONDON, W.C.—Junior Assistant wanted for good-class modern Pharmacy; outdoors; salary £2 per week, commission given to good man. Apply, personally if possible, to J. W. Roberts, Pharmacist, 10 Tavistock Place, Russell Square, W.C.

MANCHESTER.—Qualified Assistant; Mixed trade; working-class district; Insurance Dispensing; permanency to suitable applicant. Address, "Assistant," c/o Heath Bros., 27 Blackfriars Street, Manchester.

MANCHESTER.—Junior Assistant wanted for a good-class Retail and Dispensing business; progressive salary for a suitable man. Apply, with full particulars, to R. G. Edwards, Pharmaceutical Chemist, Fallowfield.

MANCHESTER.—At once, a competent and reliable Assistant; unqualified; about 25; outdoors; Counter, Dispensing, Window-dresser. State salary required and give full particulars to Johnson, Chemist, Prestwich.

MANCHESTER.—Elderly qualified man required; hours easy; very comfortable; permanency to the right man. "Elderly" (102/320), Office of this Paper.

MIDLANDS.—Wanted, Assistant Chemist and Druggist, good Counterman and Window-dresser, capable taking charge of Mixed Country business; reply by letter, stating salary and references; applications strictly confidential. Reply, in first instance, to Smith & Son, Partnership, Transfer, and Business Agents and Auctioneers, County Chambers, Corporation Street, Birmingham.

NEAR MANCHESTER.—Wanted, unqualified Assistant; outdoors; must be good Dispenser and Counterman. Full particulars and wages required, 101/110, Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant for quick Cash business; must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, and photo, to 101/11, Office of this Paper.

NORTH LONSDALE HOSPITAL, BARROW-IN-FURNESS.—Wanted immediately, for the duration of the war, qualified Dispenser and Bookkeeper; hours of duty 8.30 a.m. to 5 p.m.; salary at the rate of £120 per annum. Applications, accompanied by copies of two recent testimonials, to be sent to the Secretary.

PETERBOROUGH.—Wanted for end of June, experienced unqualified Assistant, capable of taking charge; elderly not objected to; must not be eligible for military service. Chas. Hamson, 46 Cowgate.

SHREWSBURY.—Qualified Assistant and Junior Assistant required; outdoors; easy hours; no extra or Sunday duty; please give full particulars and salary required in first letter, and say when disengaged. Apply, A. Williams, Chemist, Castle Street, Shrewsbury.

SOUTH COAST.—Assistant required; experienced; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—A thoroughly reliable unqualified Assistant or Junior required immediately for quick Cash Trade; one with knowledge of Photography preferred; hours 9 to 8.30, Saturday 10.30; no Sunday duty; salary 35s. per week. Apply, giving full particulars of experience, age, height, etc., photo if convenient, to Francis, Chemist, New Tredegar.

STAFFORD.—Smart unqualified Junior or Improver for good-class Dispensing and Mixed business; outdoors. State age and salary, J. & H. A. Averill, Pharmaceutical Chemists, Stafford.

WEST HARTLEPOOL INSURANCE COMMITTEE.—Checking Prescriptions.—Applications are invited for the Checking of National Health Insurance Prescriptions and auditing Chemists' Accounts. Forms of application, specifying the requirements of the Committee, may be obtained from the undersigned. J. W. Ridley, Clerk to the Committee, Magdala, York Road, West Hartlepool.

WORTHING.—Assistant wanted; outdoors; permanent; good-class business. Send particulars, with references, to W. Aston, Pharmaceutical Chemist, Worthing.

YORKSHIRE.—Elderly qualified man required; Yorkshire (West Riding); easy hours; work light; permanency. State age, when at liberty, and salary desired, 102/32, Office of this Paper.

ABOUT Middle of June.—Assistant, unqualified, in- or out-doors, for Country business; short hours. Send full particulars to Parsons, Dental Chemist, Ilminster, Somerset.

AN Assistant required for a few months; one not eligible for military service preferred. Apply with all particulars, giving references, etc., to Alfred Bond, The Pharmacy, Newquay, Cornwall.

AN Assistant wanted immediately for holiday duty; good Dispenser, and capable of taking charge; knowledge of Photography essential. All particulars first letter to Cruse & Co., Ltd., Chemists, Southsea.

ASSISTANCE for June, qualified or unqualified. Please state salary required (outdoors) and give references, Tremlett, Pharmacist, Fratton Bridge, Portsmouth.

ASSISTANT required (outdoors) for four, six, or eight weeks, lady or gentleman, to help (not to manage) during holidays, in Light Retail Country business; no Sunday or after business duty. Apply, stating age, how soon you can come, salary required, and reference, to J. H. Herington, Pharmacist, Dunstable, Beds.

ASSISTANT wanted (outdoors) to take the place of a Junior, about to join the Army, for a N.H.I. Dispensing and General Retail business. Apply, giving usual particulars, to R. H. Smith, Pharmacist, 396 Halliwell Road, Bolton.

ASSISTANT required as Second; two kept; good-class business; easy hours; good salary. Apply, giving references and particulars, photo if possible, Nicholls, Pharmacist, Chelmsford.

ASSISTANT wanted, unqualified, for quick Retail and Dispensing; outdoors. State full particulars or call, Milner, Chemist, 96 Askew Road, Shepherd's Bush, W.

ASSISTANT; unqualified; experienced; one half-day off weekly from 1.0, also one evening weekly from 5.30; alternate Sunday duty 4½ hours; no Insurance work. Apply, "Pharmacist," c/o Henry Jackson & Sons, Druggists' Sundriesmen, School Lane, Liverpool.

ASSISTANT wanted, as soon as possible; qualification preferred, but not essential; to sleep indoors. Apply, if by letter enclose photo (to be returned), to R. S. Starkie, 126 The Strand, W.C.

ASSISTANT wanted for good-class Retail and Dispensing business in London Suburb; must be well trained, good Dispenser, and well up in Counter work; one not liable to military service preferred; nice district and no heavy trade. Apply, "Pilule" (105/9), Office of this Paper.

AT once, unqualified; if married, good house and garden provided; light trade, Dispensing, N.H.I.; half-holiday weekly; or Lady Assistant. Give full particulars, Perkin, Tamworth.

AT once, for fortnight, active Locum to run (single-handed) Country business; lovely part of Sussex, 30 miles from London, Brighton, or Eastbourne; hours 8.30 to 8, Wednesday 1, Saturday 10, Sunday nil. Apply, with reference and state salary required, Golding, Chemist, Forest Row. Telephone, 20 Forest Row.

BLAIN & HANKINSON, Pharmacists, 69 Market Street, Manchester, have vacancy for qualified, also unqualified Assistant.

BRADY & MARTIN, LTD., have a vacancy for a qualified Assistant for the Dispensing and Retail Counter; indoors; application from a lady (outdoors) would be entertained. Apply by letter, Brady & Martin, Ltd., 29 Mosley Street, Newcastle-on-Tyne.

COMPETENT Assistant, with good all-round experience, capable of taking charge, required at once, near Victoria Station. Full particulars in first letter to "X. Y. Z." (104/35), Office of this Paper.

DISPENSER (outdoors) required at once, whole or part time, by Doctor in Eastern Suburb; experienced; personal interview. Address, 95/10, Office of this Paper.

DRUGS.—Experienced Country Order Assistant required at once. Apply personally, or by letter, as soon as possible, to Staff Superintendent, Harrods, Ltd., 44 Haus Crescent, S.W.

ELDERLY qualified Assistant required; outdoors; hours 10 a.m. to 1 p.m. and 6 p.m. to 10 p.m.; close Thursdays 1 p.m.; no Sunday duty. The Prosser Roberts Co., Pharmaceutical Chemists, 323 Walworth Road, London, S.E.

EXPERIENCED Assistant required for good-class Retail and Dispensing business; must be a reliable Dispenser; outdoors; no N.H.I. work. Apply, giving references, experience, and salary required, to J. W. Moorhouse, Pharmacist, Barnsley.

G. T. W. NEWSHOLME, LTD., require immediately a Lady Dispenser with Minor qualification. State age, experience, and salary required, 27 High Street, Sheffield.

IMMEDIATELY, Junior Assistant, with good Dispensing experience. Please give full particulars and salary required in first letter, Wilson, Pharmacist, Dorking.

JUNIOR or Improver wanted; outdoors; lady or gentleman; good-class Retail and Dispensing; comfortable berth. Kindly give full particulars as to age, experience, salary required, and send photo if possible, J. W. Normansell, Ph.C., Wells, Somerset.

JUNIOR or Improver for Light Retail and Dispensing business; easy hours. State age, salary required, and when at liberty, R. Wood, Pharmacist, Oxford Road, Reading.

JUNIOR or Improver required for Counter and Stock; weekly half-holiday; no Sunday duties; outdoors. State wages required to J. Patterson, Pharmacist, 52 Ilford Lane, Ilford.

JUNIOR Assistant; Speciality business; unqualified; outdoors; good opportunity; progressive and permanent. Hulmes, 55 Upper Parliament Street, Nottingham.

JUNIOR or Improver for good Retail and Dispensing business; Photographic knowledge advantageous; first-rate scope for increasing competence. Apply, with photo (returnable), giving full particulars and salary required, Francis Hallam, Ltd., The Rexall Pharmacy, Burton-on-Trent.

JUNIOR Assistant (unqualified) required in a high-class Dispensing business in South Kensington; outdoors; must be of good appearance and address; Senior kept and duty divided. State age, height, and salary expected, with details of recent engagements, to the Proprietor, Tennant's Pharmacy, 29 Sussex Place, Queen's Gate, S.W.

JUNIOR Assistant required; outdoors. State age, height, references, salary, etc., and enclose photo, Harris, Chemist, Southmolton, Devon.

JUNIOR Assistant (indoors), about 19; knowledge of Photography. Full particulars, age, height, salary, etc.; with photo, to W. H. Woodman, Pharmacist, Burnham, Somerset.

JUNIOR Assistant required at once in good-class Retail and Dispensing business, situated in large town near Birmingham. Applicants should give full particulars of experience, also state age and salary required, 102/18, Office of this Paper.

LADY Assistant wanted, unqualified, for end of June. Usual particulars, Chas. Hamson, Chemist, Peterborough.

LADY Dispenser required for a Doctor. Apply, Middleton & Co., Ltd., Chemists, Middlesbrough.

LADY Dispenser required by Doctor practising in Herts. Apply, with particulars, salary required, etc., to "X. Y. Z." (100/22), Office of this Paper.

LADY, with previous Counter, Retail, Dispensing experience; knowledge of Photography; qualified or not; outdoors. Full particulars from Ellis, Chemist, 53 Terrace Road, Aberyswyth.

LEWIS & BURROWS have a vacancy for a competent Assistant; West End; lady or gentleman. Apply, 146 Holborn Bars, E.C.

LOCUM, qualified, wanted, July 5 to 18, also September 6 to 19; outdoors; either or both dates. Terms and references to Freeman, Chemist, Chatham.

OCUM Dispenser wanted for the Royal Infirmary, Sheffield, for four weeks from July 5 to 31 inclusive; dinner and tea provided; hours 9 to 5; Hospital experience desirable. Write, stating terms and all particulars, to the Pharmacist, The Royal Infirmary, Sheffield.

OCUM.—Qualified man of experience required commencing June 14; permanency afterwards if satisfactory. "Locum" (102/230), Office of this Paper.

MANAGER for Sussex Seaside Branch shop; qualification preferred, but not essential; good house and 50s. weekly; must be abstainer and possess highest references. Send fullest particulars, Horton, Chemist, Chichester.

MANAGER wanted, qualified or unqualified, for Light Retail and Photographic business; knowledge of Optics preferred, but not essential, dinner and tea given; must be sober, courteous, and industrious. Please send full particulars first letter, enclosing photo, as to age, experience, and salary required, Robinson, Chemist, 134 Whitchurch Road, Cardiff.

MANAGER (unqualified) for Branch business; outdoors; comfortable position for steady, reliable man requiring a permanency; London, S.E. Apply to "Pharmacist" (101/32), Office of this Paper.

MANAGER, qualified, wanted immediately for Light Retail business in South London; good Dispenser; outdoors. Apply, stating salary required and enclose references, to "Permanency" (105/200), Office of this Paper.

MESSRS. COOPER, SON & CO., LTD., 80 Gloucester Road, S. Kensington, require a qualified Assistant at once. Apply, stating age and full particulars, to "A. J. B. C.," c/o the above.

MESSRS. STONE & SON, Exeter, require a middle-aged qualified man, also unqualified Junior, immediately; indoors; easy hours. All particulars in first letter.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

PART-TIME; comfortable berth; suit student of good address. Apply personally, or write to Tate, 7 Belgrave Mansions, Victoria, S.W.

PROPRIETOR of small Pharmacy, who has obtained a commission and is going to the war, requires middle-aged gentleman to take charge; light and easy work; qualified or unqualified; very comfortable berth for anyone requiring light employment. Apply, "Urgent" (120/17), Office of this Paper.

QUALIFIED Assistant wanted for high-class Dispensing, Photographic, and General business; outdoors. State salary required, references to Purvis, Pharmacist and Optician, Promenade, Bridlington.

QUALIFIED Manager wanted for Stockport; death vacancy. Apply, Executor, Mr. W. E. Sugden, The Common, Cheadle Hulme, Cheshire.

QUALIFIED Assistant wanted (outdoors) on June 16, or as soon after as possible; must be accurate Dispenser. Apply, stating age, salary required, and references, Atkins & Son, Salisbury.

QUALIFIED Manager (married) wanted to manage good-class business; permanency; good salary and commission. Give full particulars in application and state salary expected. Address, J. C. Edwards, Chemist, 17 Queen's Road, Hastings.

QUALIFIED Assistant at once; indoors; would suit elderly gentleman or one semi-retired; comfortable home; easy berth; moderate salary; no Sunday duty; half-day weekly; pleasant district. Apply, with full particulars and references, to P. R. Hill, Pharmaceutical Chemist, 90 High Street, Gorleston-on-Sea.

QUALIFIED Manager for Light Retail business; been well looked after; excellent opportunity for married man desirous of settling down; good agreement with interest in the profits offered; not far from London. 102/203, Office of this Paper.

QUALIFIED Assistant, with good all-round experience, required for London; good prospects for suitable man. Apply, stating age, experience, salary required (outdoors), and when disengaged, to 70/22, Office of this Paper.

QUALIFIED Manager wanted for high-class Pharmacy, Tunbridge Wells; four kept; must be smart and energetic; very good prospects to suitable man. Reply, with full particulars, salary, photo (returnable), to H. S. Pearmund, 17 Calverley Road, Tunbridge Wells.

QUALIFIED Assistant wanted as Branch Manager; lady or gentleman. State age, experience, salary required, and when free, enclose references and photo, to Lindsay, 111 Nethergate, Dundee.

QUALIFIED Assistant wanted; outdoors; West End; duty shared by three. State age, height, experience, and salary required to "Cascara," Messrs. Meggeson & Son, Miles Lane, Cannon Street, E.C.

QUALIFIED Chemist required for Dispensing duties; no Counter work; short hours; permanency; outdoors; commencing salary 57s. 6d. weekly. State age and fullest details, previous appointments, to Junior Army and Navy Stores, Ltd., Aldershot.

RAIMES & CO., Wholesale Druggists, York, require Wet-Room and Dry-Room Assistants, temporary or for duration of the war; an opportunity for Retail Assistants to gain some knowledge of the Wholesale.

RELIABLE Junior required, with previous Dispensing experience; outdoors. All usual particulars, mentioning salary expected and when disengaged, to 100/33, Office of this Paper.

SAVORY & MOORE require, at once, a competent qualified Assistant. Apply, with full particulars of experience, and stating salary required, to Managing Director, 143 New Bond Street, W.

SMART Assistant wanted (outdoors) in about 3 weeks' time for quick, middle-class business in London suburb. T. H. Seed, M.P.S., 401 High Road, Leyton, Essex.

SMART unqualified Assistants required in London and country by high-class Store Chemists, with knowledge of Photographics preferred. Apply, stating usual and full particulars, in confidence, to 70/022, Office of this Paper.

SOUTHALL'S, Birmingham, require qualified Assistant for their Dispensing Department. Send full particulars, including salary required.

UNQUALIFIED, smart Assistant wanted; preferably one desirous of extending his knowledge of high-class Photographic trade, and with some experience of same; high salary given; permanency. Watson's, Photographic Chemists, 84 High Street, Sheffield.

UNQUALIFIED Assistant (outdoors) for good-class Dispensing and Photographic business. Apply to A. Goldthorpe, Pharmacist, 70 Herbert Road, Plumstead, London, S.E.

UNQUALIFIED; age about 25; Counter and Dispensing, including N.H.I.; good-class business. State salary required and experience, Vince, Pharmacist, Lancaster.

UNQUALIFIED Manager for Branch; young married man preferred; only men seeking a permanency need apply; salary according to age and experience, rising to 43s. per week. 101/35, Office of this Paper.

UNQUALIFIED Junior, August 9 to 23 inclusive, or early September, for quiet Country business; easy berth; no Sunday duty. 120/30, Office of this Paper.

WANTED at once, qualified Manager for Branch; North Wales watering-place; rooms attached; married preferred; Welsh not essential; must be steady, and have excellent references; well suited for one desiring permanency. Apply, stating age, experience, salary, etc., to "Chemicus," c/o British Drug Houses, 22-30 Graham Street, City Road, London, N.

WANTED at once, Lady, qualified Chemist to assist lady proprietress during summer season in seaside town; good Dispenser, and one used to Retail trade preferred; outdoors. State age, salary, references, etc., to Mrs. Vaughan, Vaughan Street, Rhyl, N. Wales.

WANTED, Lady Assistant, qualified preferred, for Light Retail and Photographic business; indoors. State salary required and all particulars to William Pickard, Pharmacist, Belle Vue, Bude, North Cornwall.

WANTED immediately, a Junior Assistant or Improver for good-class business; indoors; comfortable home; easy hours; very little Insurance work and no Sunday duty. State salary required, references, etc., J. Evans, 28 Agincourt Square, Monmouth.

WANTED, unqualified Assistant (outdoors) in good-class Dispensing business; reasonable hours. Apply, Quibell, The Station Pharmacy, Golder's Green, N.W.

WANTED, Assistant (over 30) early July (outdoors) for Mixed Retail and Dispensing (N.H.I.), preferably with Optical knowledge; reliable Counterman and used to Window-dressing. State salary and full particulars, with photo, to McCallister, Chemist, Westhoughton, near Bolton.

WANTED immediately, qualified Manager for Executor's business; must be active, steady, and industrious, and competent to take entire control. Fullest particulars in first letter essential, age (about 40 or less), references, and salary required, Kitching, Oakengates, Salop.

WANTED, Dispenser (outdoors), male preferred, for the duration of war only, for Doctor's Surgery; must be quick and accurate. Apply, stating age, previous experience, salary required, when disengaged, and recent reference, to Wharram, Ltd., 115 Vicar Lane, Leeds.

WANTED, competent Assistant; outdoors; good-class Dispensing. Apply, giving full particulars, to Shelley Richards, Pharmacist, Weymouth.

WANTED, smart, reliable Assistant; also Lady Dispenser of experience. Apply, Ralph Cuthbert, Ltd., Chemists, Westgate, Huddersfield.

WANTED, for high-class Dispensing business, superior Assistant; must be capable Dispenser and Counterman. Apply, with full particulars, Eardley & Furnival, Pharmaceutical Chemists, 265 Glossop Road, Sheffield.

WANTED, qualified Assistant to manage Branch; W.C. district; must be steady and well recommended. Apply "Astor" (102/4), Office of this Paper.

WANTED, a part-time Dispenser holding the Minor certificate of the Pharmaceutical Society; salary £90 per annum. Applications for the post must reach the undersigned not later than Tuesday, June 8, from whom all particulars as to hours, etc., may be obtained. A. C. Taylor, Secretary, The Infirmary, Peterborough.

WANTED, Lady Assistant, unqualified, for Counter. State salary, experience, etc., 102/21, Office of this Paper.

WANTED at once, Locum or temporary Assistant (outdoors) for good-class Dispensing business in Kent. State usual particulars and references, 101/29, Office of this Paper.

WANTED in a month's time, after engagement, Assistant, about 25, for first-class Dispensing business; no Insurance work; outdoors; good salary. 101/13, Office of this Paper.

WANTED, qualified Assistant (male) for nine weeks commencing July 2; hours 9 to 6; salary £2 5s. per week; two hours' duty every third Sunday. Apply, "Pharmacist," West London Hospital.

WANTED, young Lady Assistant for Counter and to assist with Dispensing; qualified lady kept. Please state salary and references, etc., to T. Charles, Chemist, Burslem.

WANTED, a good, Junior, about 20 years of age; must be a good Stockkeeper, and used to a brisk Country trade; hours easy, and no Sunday duty. Apply, stating salary and giving all particulars, to H. Clarke, 31 High Street, Chelmsford.

WANTED, Assistant for old-established Country business; outdoors; comfortable situation. Apply, with usual particulars, to Gostling & Co., Diss, Norfolk.

WILCOX, JOZEAU & CO., 49 Haymarket, S.W., require a useful Porter, capable of packing or willing to learn; wages according to capabilities.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

SOUTH COAST.—Dry Counterman required; permanency; good wages. Please state age, experience, etc., Timothy White Co., Ltd., Portsmouth.

SOUTH COAST.—Wet Counterman required; permanency; good wages. Please state age, experience, etc., Timothy White Co., Ltd., Portsmouth.

W. and N.W. LONDON and Suburbs.—Good opening for well-trained man with influential connection among Chemists; important Speciality house. Write, giving full details and state salary required, to 40/40, Office of this Paper.

ANALYST.—Junior Analyst required for a Laboratory of South London Chemical Manufacturers. Apply, giving particulars of experience and salary required, to 116/66, Office of this Paper.

ASSISTANT wanted for Manufacturing Laboratory; also a Packer, by South London old-established Wholesale Druggists. Write particulars, stating wages required, to 120/49, Office of this Paper.

CAPSULE-MAKER wanted by a South Coast firm; excellent prospects for a smart man capable of taking entire control of department. Apply, stating wages required and full particulars, to "Santalol" (118/680), Office of this Paper.

CHEMICAL Assistant wanted for works Laboratory; one with experience of Organic or Analytical work. Write, giving full particulars of experience and wages required, to 118/67, Office of this Paper.

DRY Counterman; experienced; permanency if suitable. State age, experience, wages, and when disengaged, The Standard Tablet and Pill Co., Ltd., Hove.

EXPERIENCED Drug Grinder, also Tablet Maker required; permanent situations for suitable men. Applicants will please give particulars of previous employment and state age, references, and remuneration expected, John Richardson & Co., Ltd., 10 Friar Lane, Leicester.

GOOD Pillmaker wanted. 102/07, Office of this Paper.

JUNIOR required in Merchant Shippers' office; one accustomed to the trade and Custom House work preferred. Apply in first instance by letter, stating full particulars and salary required, to 119/51, Office of this Paper.

LABORATORY Manager wanted; must be fully qualified, a hard worker, good organiser, and capable of looking after a staff; previous experience in a similar post essential. Please apply, with full particulars in first letter, to Oldfield, Pattinson & Co., New Bridge Street, Manchester.

LABORATORY.—Major man required by London Wholesale Druggists for standardisation of B.P. preparations and to assist in general supervision of laboratory. Apply by letter, stating salary asked and previous experience, to "Z" (112/029), Office of this Paper.

PACKERS required, with experience in packing Drugs for home and export; good wages given. Apply, Burgoyne, Burbidges & Co., East Ham.

PHARMACIST, young, good Retail training, wanted by a London firm of Manufacturing Chemists; previous Wholesale experience not necessary. Apply, with full particulars of age, experience, and salary required, to 120/43, Office of this Paper.

PILL-MAKER and Coater.—Wanted, an experienced man, at once. Apply, stating age, experience, and wages required, to "Z." (112/29), Office of this Paper.

PILLS and Tablets. Leading Provincial House require capable Head for this busy department; the position demands energy and initiative which will be suitably recompensed. Apply, "Tablets" (120/11), Office of this Paper.

QUALIFIED Laboratory Manager to assist in the control of a rapidly growing business where over 200 hands are employed; applicant should be good organiser, and have had extensive experience in the manufacture of materials for all packed Pharmaceutical and Toilet Preparations. Give fullest particulars and salary required, "Anodyne" (118/68), Office of this Paper.

RAIMES & CO., Wholesale Druggists, York, require Wet Room, Dry Room, and Warehouse Counter hands and Assistants. Apply, with full particulars, salary required, references, etc.

REQUIRED in City Wholesale Druggists', Wet and Dry Floor Counter hands; previous experience essential, and preference given to men not of military age, or who have been refused service. Apply, giving full particulars as to previous experience and salary required, to 118/42, Office of this Paper.

REQUIRED at once, smart Invoice Clerk; must be a rapid reckoner. Apply, stating experience and salary required, to R. Sumner & Co., Ltd., Wholesale Druggists, 40 Hanover Street, Liverpool.

SEVERAL men required for Wet Counter; those used to putting up Liquids in quantity; good salary to reliable men. Apply, Burgoyne, Burbidges & Co., East Ham.

SMART Representative required for Wholesale Chemists' Sundriesmen and Tooth-brush Manufacturers. Apply, 105/4, Office of this Paper.

TABLET-MAKERS and good Granulators wanted by London firm. Write, stating previous experience and wage required, to 102/7, Office of this Paper.

TOILET Laboratory.—Smart man required by a provincial Wholesale house, accustomed to the manufacture of Face Creams and Powders, Tooth Pastes, Hair Washes, etc. Apply, giving full particulars, to "Lanoline" (118/068), Office of this Paper.

WET-FLOOR and Laboratory hands wanted. Apply by letter, stating age, experience, and wages required, "Z." (112/290), Office of this Paper.

YOUNG Pharmaceutical Chemist required in Wholesale Department of large high-class firm of Chemists in the Provinces; would be required for Testing Drugs and Laboratory Preparations, and for Experimental work. Mention age, salary desired, and customary information, "S. J." (102/37), Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

OVERWHELMED.

Mr. W. Stober, of 26 Harlow Moor Drive, Harrogate, asks us to insert the following:

"Thanks to all gentlemen who replied in overwhelming numbers last week to my advertisement. I am now suited."

ADVERTISER desires occupation; qualified; single; middle-aged; varied experience; moderate salary. "Pinol" (104/25), Office of this Paper.

AFTER 5; disengaged; Lady Dispenser; 8 years' good experience. "A. W. C.," Brixton Dispensary, Water Lane, S.W.

ASSISTANT; 21; whole or part time; West-End experience. Apply, 95/5, Office of this Paper.

ASSISTANT; 35; single; smart appearance; best experience, Dispensing and Salesman. Nicholson, 56 London Road, Southampton.

BELGIAN Pharmacist, with first-class experience in Brussels and elsewhere in Belgium, desires situation in English Retail Pharmacy or Wholesale Drug house; good knowledge also of oils, colours, and varnishes; good references; speaks French, Flemish, and a little English. Address, E. Claes, 18 Down Street, Piccadilly, W.

BIRMINGHAM.—Relief; experienced Pharmacist, free after 7 p.m., offers 1 or 2 hours; occasional week-ends. "Pharmacist," 3 Vicarage Road, Kings Heath.

CAPABLE business man, reliable Dispenser, free June 10. Forster, 54 Romilly Road, Finsbury Park, N.

DISENGAGED; Assistant or Locum; thoroughly competent, reliable; all-round experience; town or country; first-class testimonials. "Chemicus," 200 Goldhawk Road, Shepherd's Bush.

DISENGAGED shortly; qualified; excellent references; usual terms. "Locum," 10 Bedford Street, Woburn, Bedfordshire.

DISENGAGED; Locum or otherwise; unqualified; tall; 44; town or country; experienced. "Salol," 56 St. Mary's Terrace, Hastings.

DISPENSER (26) seeks post with Doctor; Hall certificate; nearly 2 years' experience; good writer; clergyman's son. "Sigma," Glen Roy, Earlham Road, Norwich.

DISPENSER (Irish qualification), London experience, open for Hospital or Army Dispensing; London. 103/3, Office of this Paper.

DISPENSER.—Assistant; 26; married; 10 years' experience; permanency. Slade, 247 Ince Avenue, Liverpool.

DISPENSER or Locum; first-class experience. "Dispenser," 58 Warwick Avenue, Maida Vale, W.

EVENINGS from 6.30; Dispensing wanted; Locum or permanent. 100/28, Office of this Paper.

EXPERIENCED Assistant, disengaged 3 or 4 evenings a week; used to quick Retail; best references. 104/10, Office of this Paper.

EXPERIENCED Assistant; unqualified; 32; married; Manager or Senior. 104/38, Office of this Paper.

JUNIOR; 19; just completed apprenticeship. Evans, Preswylfa, Pleasant View, Wattstown, Rhondda.

INDOOR evening post wanted; Wholesaler (clerical); free after 6; qualified (Minor). 105/6, Office of this Paper.

LOCUM, qualified, disengaged till July 10. "Locum," 30 Lansdowne Street, Hove.

LOCUM, retired Pharmacist, open temporary charge. Fisk, 59 Dudding Hill Lane, Willesden.

LOCUM (29), unqualified, tall, experienced, disengaged. "L.," 59 Whyteville Road, Forest Gate, London.

LOCUM; 27; 5 ft. 10 in.; 12 years' experience; abstainer; unqualified; disengaged 19th; Scotch training. Hodge, Eye, Suffolk.

LOCUM; Manager; disengaged June 7; qualified; dependable. "Pharmacist," 165 Percy Road, W.

LOCUM or Part-time; age 36; good references; qualified. 100/21, Office of this Paper.

LOCUM; qualified; experienced; reliable; Optics, Photography. 101/34, Office of this Paper.

LOCUM; unqualified; tall; high-class all-round experience. 104/23, Office of this Paper.

LOCUM, temporary Manager, qualified, 38, 22 years' first-class experience, sober, disengaged June 11. "Aspirin," 47 Wolseley Avenue, Wimbledon Park, S.W.

LOCUM; unqualified; abstainer; well recommended; London. "L.," 28 Sydney Street, South Kensington.

M.P.S. requires Part-time employment; London. Webster, 9 Cedar Street, Morecambe.

M.P.S. (42); married; best West-End and Provincial experience; highly recommended as Manager in a good-class Dispensing business; Midlands or near preferred. "F. S. M. C." (100/34), Office of this Paper.

MANAGER, 29, qualified (not eligible for active service), desires change; 3 years present berth; North or Midlands. "Aspirin" (99/4), Office of this Paper.

MANAGER; qualified; outdoors; middle-aged; permanency; reliable and thoroughly experienced; London only. McLauachan, 17 Gladstone Park Gardens, Cricklewood, N.W.

MANAGER; qualified; first-class experience; 39; London; outdoors. "M.P.S." (100/15), Office of this Paper.

MANAGER; qualified; experienced; thoroughly trustworthy; highest credentials; permanency, view succession. 101/23, Office of this Paper.

MANAGER; qualified; London and Provincial experience; disengaged. Hunter, 57 Plum Lane, Plumstead.

PARTIALLY qualified Nurse-Dispenser has part-time for disposal for temporary post; outdoors; London. Address, "P.," 43 Paddington Street, W.

PHARMACIST desires Post in Military or Naval Hospital. Address, 102/15, Office of this Paper.

QUALIFIED; 25; good Dispensing experience; trained "Square"; good references; permanency preferred in London; disengaged "Accipitres," 39 Monk's Road, Lincoln.

QUALIFIED; Locum, permanency; 36; married; Counter, Dispensing. 101/7, Office of this Paper.

QUALIFIED; young; good all-round experience; Counterman, Window-dresser, Photography, etc. Apply, with full particulars, to 103/11, Office of this Paper.

QUALIFIED Chemist (48) desires Post as Manager in good-class business, with view to interest or share in profits preferred; in or near London; first-rate all-round experience. Apply, 101/38, Office of this Paper.

QUALIFIED; 42; single; live at premises preferred; any capacity; nominal salary. "Careful" (104/025), Office of this Paper.

QUALIFIED; Locum or permanency; London; knowledge of French and Italian; age 46; disengaged July 7. "Veritas," 32 Cambridge Avenue, Kilburn, N.W.

RECENT proprietor, unqualified, capable taking charge, free for Locum from end of June; satisfaction guaranteed. "O.," 121 Stade Road, Erdington, Birmingham.

RELIEF; daily or evenings; qualified; reliable; London only; permanent or temporary. Furnivall, 21 Ryecroft Street, Fulham.

SOUTH-EAST LONDON.—Qualified; 15 years' experience; disengaged one or two evenings weekly. 99/18, Office of this Paper.

UNQUALIFIED (25) disengaged July, August, and September; good Retail experience, home and abroad; excellent references. Apply, 99/6, Office of this Paper.

UNQUALIFIED; experienced Manager or Senior; references; London or North preferred; ineligible Army. 95/3, Office of this Paper.

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ADVERTISER, with 22 years' experience in Laboratory, Drug Rooms, and Packed-goods Department, seeks position of trust; used to Costing and Supervising staff; North Midlands or North preferred. 102/36, Office of this Paper.

ELDERLY man, well educated, total abstainer, highly recommended, seeks situation as Collector, or similar position of trust. 118/69, Office of this Paper.

FOREMAN, Stockkeeper, Buyer, etc.; 20 years, all departments (Wholesale and Retail). 103/8, Office of this Paper.

GENTLEMAN, aged 38, unqualified, seeks responsible position with Wholesale firm; has had exceptional training in up-to-date business routine. 100/20, Office of this Paper.

I CAN Sell; do you want a Seller? H. B. Cooper, Withington, Manchester.

REPRESENTATIVE, energetic, enthusiastic, experienced, desires change; Drug and Sundries preferred; permanent, progressive position. 96/35, Office of this Paper.

TABLET-MAKER, Foreman or position of trust; 21 years' best experience; good Organiser. "M. P." (104/34), Office of this Paper.

TRAVELLER desires Re-engagement; excellent connection and selling record; slightly above enlistable age; qualified Chemist; familiar all branches Drug and allied trades; can influence business; reliable and experienced man with first-class references. "Vivum" (101/24), Office of this Paper.

TRAVELLER, Midlands, Wales, and West, first-class connection amongst Chemists and Stores, wishes to Represent good house, on commission or otherwise. 98/23, Office of this Paper.

MISCELLANEOUS.

GREAT Bargains in Second-hand Fittings.—10-ft. Drug Fitting, 6-ft. Screen and Counter, 6-ft. Wall Case, 10-ft. Plate-glass Serving Counter, Desk and Case, Plate-glass Counter Case, £39 10s. Call or write, Philip Josephs, 93 Old Street, London, E.C. 'Phone London Wall 9057.

CHEMISTS' Shopfittings.—Silent Salesman, Showcases, Window-enclosures, Dispensing-screens, Drug-fittings, Walloases, Glass-front Counters, Counter Drawers, etc., at lowest prices; shop-soiled second-hand; 30 years fitting pharmacies; you will save time and money by sending your requirements to George Cook, The Chemists' Working Shopfitter, Catherine Street, City Road, Old Street, London.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

CHEMIST.—Complete set of modern Fittings; good second-hand; 12-ft. Drug Fitting, complete; 10-ft. Glass-fronted Counter; 6-ft. Dispensing Screen and Counter; Perfumery Case and Desk; 4-ft. Mahogany Bent Plate-glass Counter Case; 6-ft. Mahogany Wall Case; £43 10s. the lot; absolute bargain; cheapest house for Window Enclosures, Glass Shelves, modern Shop Fronts, improvements, etc.; designs, estimates free. MILLS, Shop Front, Shop Fitting, Glass Facia Works, 163-5 Old Street, London, E.C. 'Phone 550 London Wall.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

N.H.I.—Those back numbers are worth money to you. Have you tried my service? You send me your Prescriptions, Account Forms, and Tariff, and I return to you absolutely ready to forward to Committee. I have a competent staff. No order too small and none too large. F. H. Richards, Prescription Pricing Expert, 59 Dudden Hill Lane, Willesden, London.

PRINTING tasty in design, produced under proper and healthy conditions from modern type, at up-to-date prices; Brochures, Packet, Handbill, Business Stationery and General Printing; have you seen samples? A postcard (printed heading) will bring them. Walter Knight, Chemists' Printer, Rushden. Established 1895.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "The Chemist and Druggist."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin (100/16)
Anusol suppositories (100/3)
Bromural (100/16)
Chloralamid (in original 1-oz. packages) (42/24)
Chinosol (100/16)
Orthoform (100/16)
Pyramidon (100/16)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Afga amidol (100/16)
Afga metol (100/16)
Apomorphin (100/16)
Atropin sulph. (100/16)
Codein phosph. (100/16)
Empl. Hamburg (100/16)
Europhen (100/16)
Homatropin (100/16)
Novatophan (100/16)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

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FOR DISPOSAL.

BOOKS AND PERIODICALS.

UNIVERSITY tutorial, Preliminary Books, recent editions. 395 Yardley Road, South Yardley, Birmingham.

DRUGS AND CHEMICALS.

25 OZ. of cocaine hydrochloride. "W." (104/3), Office of this Paper.

SULPHONOL, pure, 1s. 1d. per oz. up to 10 oz. Enness, Pharmacist, Wandsworth, S.W.

COPPER sulphate, ammonia chloride, potassium nitrate; what offers per lb. for about 100 lb. of each? Would exchange for 2, 3, 4, 20 white bottles or small collapsible tubes. Dusart, Lewes, Sussex.

SHOP FITTINGS.

THREE handsome swan-neck carboys, cut stoppers, wineglass stands; offers wanted. 114 Highbury New Park, N.

HANDSOME engraved mirror dispensing screen, 3 ft. high by 4 ft. wide, to fix on a counter; shelves behind; engraved "Dispensing Department"; 25s. to clear; perfect. 102/12, Office of this Paper.

MISCELLANEOUS.

PRINTING press, metal type, accessories, 10s.; bargain. Particulars, W. Webster, 291 Normanton Road, Derby.

WANTED.

WANTED, a good shop ladder. 102/012, Office of this Paper.

WANTED, glass window shelves and brackets. Wyatt, Chemist, Barnes.

WILL any live provincial chemist exchange formulæ and labels for mutual benefit? 99/5, Office of this Paper.

WANTED, any size Parker's essence of ginger, in square bottles, at least a year old. Burnett & Turner, Chemists, Clifton, Bristol.

WANTED, about 100 three or five gallon stone jars; wickered preferred. Send particulars and lowest cash price, Timothy White Co., Ltd., Portsmouth.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

DISEASES AND REMEDIES.

A concise survey of the most Modern Methods of Medicine written expressly for the Drug Trade by Physicians and Pharmacists. This treatise was first published as a part of THE CHEMIST AND DRUGGIST Library under the impression, which has been justified by experience, that it is of the utmost importance that Retail Chemists should be acquainted with Diseases as well as with Remedies, and that they cannot duly understand the latter without a knowledge of the former. Accordingly the book contains descriptions of human ailments from Abscess to Tapeworm. Each monograph Describes the Symptoms and is followed by Treatment. Supplementary to these concise monographs are: Surgical Hints, Poisoning and Treatment, Surgical and Medical Appliances, a Chapter on Dentistry for Druggists, and one on Sight-Testing. It contains 270 pages, and is published at 3s. net, by post 3s. 3d., from the Offices of **"THE CHEMIST & DRUGGIST," 42 CANNON ST., LONDON, E.C.;** or from any of the Wholesale Houses at the published price.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

MR. OLDFIELD, representative of the Sanatogen Co., has left Cape Town on an extended business tour through Natal, Orange Free State, and the Western Provinces.

ANTI-GERMAN RIOTS.—When the mail left none of the chemists in Cape Town had suffered from the anti-German rioting. Petersen, Ltd., however, as a precautionary measure, announced in the local Press that the company is entirely British and the whole of the capital is in British hands.

PETERSEN, LTD.—A commencement has been made with the erection of a fine five-storey building for Petersen, Ltd., opposite their present premises in Barrack Street, Cape Town. The building will be 131 ft. long by 40 ft. deep, and is expected to be completed and ready for occupation in about eight months. It is to be used solely for manufacturing-purposes, and will thus relieve the great congestion at present existing in the warehouse.

COMPLIMENTARY DINNER.—A most pleasing function took place early in May at the Grand Parade Restaurant, Cape Town, when the staff of Petersen, Ltd., entertained their manager, Mr. James Scott, to a complimentary dinner on the occasion of his departure for Europe on a business tour in connection with the equipment of the company's factory, now in course of construction. Mr. D. K. Petersen presided, and was supported by Messrs. N. Tucker, Howard Ferguson, and W. Gardner-Hopkins, while the "Vice," Mr. Brinkworth, had upon either side Mr. Oldfield and Mr. Giblette. Tables were laid for forty. After the usual toasts had been given, that of "The Guest" was proposed by the "Vice." Mr. Scott, in reply, referred to the cordial working of the whole staff and consequent growing prosperity of the business. Several of those present contributed to the evening's entertainment, and the proceedings were brought to a close with "Auld Lang Syne" and "God save the King." The arrangements were in the capable hands of Mr. Brinkworth.

Natal.

MARITZBURG CHEMISTS' ASSOCIATION.—We have received from the acting Hon. Secretary of the Maritzburg Chemists' Association a copy of correspondence which has taken place between the Mayor and the chemists of the city. On March 8 the Town Clerk issued a circular letter to chemists, stating that the attention of the Mayor had been drawn to the fact that, now and again, inconvenience is caused in cases of sudden sickness on account of chemists' shops being closed from two o'clock on Saturday afternoons and suggesting that chemists might arrange among themselves to have one pharmacy open on Saturday afternoons either permanently or by establishing a rota. At a meeting of the Association on March 25 it was decided that Mr. Marshall and Mr. Hessy Allanson should interview the Mayor on behalf of the chemists. The deputation, on March 29, reported that they had called the attention of the Mayor to the fact that Maritzburg, being a small city, is less affected by the Saturday-afternoon closing than the large centres, as the chemists reside near their businesses and can be found at their residences in cases of urgency. They were convinced that the public is properly cared for, and that, in this matter, it was their duty to look after the interests of all chemists, and not to add to their excessively long hours of work. It was also pointed out that the long hours already in operation made the recruiting of apprentices almost impossible. It was felt on all sides that chemists' hours of business should be shortened and that fresh burdens are, in absence of necessity, unbearable. The Mayor agreed that the public appeared to be properly catered for, and stated that he would let the matter drop. At a subsequent meeting, held on April 8, a vote of thanks was awarded to Messrs. Allanson and Marshall for their services, and it was agreed that copies of the Mayor's letter, together with the reply of the deputation and the Mayor's answer, be sent to all Pharmaceutical Societies in South Africa and to the Press.

Transvaal.

ANTI-GERMAN RIOTS.—The premises of MacDonald, Adams & Co., Ltd. (formerly Lowenstein, Adams & Co., Ltd.), chemists, Market Street, Johannesburg, were partially wrecked during the recent anti-German riots in that city.

Thursday, June 10.

South-East London Pharmacists' Association, Limes Hall, Lewisham, at 3 P.M. Annual general meeting.

Association Affairs.

Fifeshire.—A meeting of panel chemists was held at Thornton on Wednesday, May 26 (see *C. & D.*, May 29, p. 58). Mr. James Bisset (Burntisland), Chairman of the Pharmaceutical Committee, presided. Mr. Bisset stated that the object of the meeting was to consider the advisability of adhering to or rescinding the resolution passed at a recent meeting to retire from the panel in June on account of the position of the Drug Fund. It was reported that the result of negotiations was so far satisfactory. Mr. Yule did not regard the situation as at all satisfactory, but the outlook was more favourable, he said, and he felt that the best way was to continue to serve on the panel for the present. This became the finding of the meeting. As this was all the business of the panel chemists, Mr. Bisset vacated the chair in favour of Mr. Yule, President of the Fifeshire Pharmaceutical Association. Mr. Stewart (Secretary) reported that there had not been many meetings of the Association during the past year, and that it was not proposed to make any immediate call for subscriptions. On the motion of Mr. Bisset, the officers were reappointed—viz., *President*, Mr. Yule (Cowdenbeath); *Vice-President*, Mr. Hogg (Leven); and *Secretary and Treasurer*, Mr. Charles Stewart (Kirkcaldy). Mr. Yule stated that Mr. David Gilmour (Dunfermline) had retired from the Council of the Pharmaceutical Society; and Bailie McCorquodale (Markinch) said that he felt that the Association could hardly let Mr. Gilmour's retirement take place without some reference being made to his services to the craft in general, Scotland in particular, and to this Association. He moved that an appreciation be recorded in the minutes of the Association. Mr. John Gilmour said that his father much regretted that a previous engagement prevented him being present at the meeting, but that he would have much pleasure in conveying a report of the proceedings to his father. He knew that it was a great source of gratification to him that he had behind him the appreciation of his own folks in Fifeshire.

Grimsby.—A general meeting of the Pharmacists' Association was held at the Oberon Hotel on May 26, Mr. C. Dewing (President) in the chair. Five other members were present, with the Secretary (Mr. T. H. Ashton). A letter was read from the Town Clerk as to the supply of serums, the Borough Council having authorised the doctors in the borough to obtain their supplies from any chemist, instead of one in particular as hitherto. The members decided to stock Parke, Davis & Co.'s preparations. It was decided to thank the Pharmaceutical Society for what it has done about spirituous medicines. It was decided to support the Grimsby Chamber of Trade's movement as to a universal closing order, and the following closing hours were suggested as being most suitable: Monday, Tuesday, and Wednesday, 8 P.M.; Friday, 9 P.M.; and Saturday, 10 P.M.

Hull.—A meeting of the Hull Pharmacists' Association was held on June 1 at the Grosvenor Hotel, Mr. I. W. Chapman (President) in the chair. The President expressed his satisfaction at the amount raised for the Belgian Doctors' and Pharmacists' Relief Fund, and hoped it would establish a fruitful precedent of practical help being rendered. Since last meeting they had had times of anxiety, which has been relieved—for example, the question of the spirit-duty—though they were not entirely out of the wood. The Secretary said that Mr. Glyn-Jones was highly praised in THE CHEMIST AND DRUGGIST for inserting the thin edge of the wedge distinguishing between spirits used for medicinal purposes and for gratifying the palate. On the other hand, the President had pointed out that in Evans' current list it was doubted whether the discrimination could be made practically. Mr. Richardson said he had understood that there would be no increase on the duty of spirits for medicinal purposes. Mr. Spilman took it that it applied to wholesale chemists for manufacturing purposes. Mr. Robinson said it looked as though it was a permanent increase of 2*s.* 6*d.* per gal. The President asked how the increased expense was going to affect them in the sale of tinctures. Mr. Jones said the price of tinctures, etc., from wholesalers had not been increased. The opinion was expressed by several members that the wholesalers were safeguarding themselves until the new machinery came into operation, and the subject dropped. The President said that he had found several dispensing-fees had been taken off his Insurance dispensing account; and as to back accounts he found that there was little prospect of them getting more than 75 per cent. at present. Mr. Spilman said there had been some resentment at the wording of the resolution passed by the Association finding fault with the members of the Pharmaceutical Committee for not attending the Association meeting more regularly. He reminded the meeting that some members of the Pharmaceutical Committee are not members of the Association, and it is most important that there should be harmony between the two bodies. There should be more suggestion and less dictating in the attitude of the Association. Mr. Jones read the minutes, and Mr. Robinson, who had seconded the resolution, said when only four members turned up, and the other eight stayed away, it was time they were stirred up; and apparently they had been stirred up, and good would come from it. Mr. Spilman said they would not come from East Hull unless there was more business to transact. He suggested that there should be a quarterly meeting of the Association to receive the report of the Pharmaceutical Committee. Mr. Richardson said that in other towns there is always someone present at Association meetings from the Pharmaceutical Committee to answer questions. Mr. Spilman said it would not be quite in order for the minutes of the Pharmaceutical Committee to be submitted to that Association. Mr. Jones said they had made suggestions, but had never heard the results, and in the absence of executive officers they are hampered in their work, which naturally centres largely around the Insurance Act. The meeting then adjourned for the summer recess, the next meeting to be early in September.

London (W.).—The annual meeting of the Western Pharmacists' Association was held at the Restaurant Frascati on May 27. Mr. A. R. Melhuish (President) occupied the chair, and opened the proceedings by making sympathetic reference to the death of Mr. R. L. Whigham, a past-President of the Association. Mr. H. Raithby Procter (Treasurer) presented his report and the financial statement for the year, which showed a balance in hand of 27*l.* 13*s.* 1*d.* compared with 25*l.* 16*s.* 6*d.* last year. The report was received and adopted, and the Auditors (Messrs. N. H. Schollar and J. P. Ellerington) were cordially thanked. Mr. Schollar being unable to accept nomination for another term of office, Mr. Harry Martin was appointed in his stead. The Secretary (Mr. W. E. D. Shirtliff) presented his report on the session 1914-15. Three social and six business meetings had been held and had been well attended. There was a slight decrease in the membership compared with the previous session, and a number of subscriptions are still outstanding. On the motion of Mr. C. T. Allen, seconded by Mr. Noble, the report was adopted. A recommendation having been received from the London County Pharmaceutical Association Executive in regard to Rule 6, the Committee expressed the opinion that the suggested alteration should be made. The President therefore proposed that Rule 6 should read as follows:

> Four members of the Committee shall retire in rotation annually, but shall be eligible for re-election; and where a member of the Committee has been absent from three consecutive meetings of the Committee (unless his absence is due to illness or other reasonable cause), his seat on the Committee shall be considered as vacated. Vacancies occurring during the year shall be filled by the Committee.

This was seconded by Mr. Morley Taylor and carried. The President announced that the four members who retired from the Committee were Messrs. C. T. Allen, J. D. Marshall, A. Latreille, and R. E. Lownsbrough. With the exception of Mr. Lownsbrough, who did not seek re-election, these were re-elected, and Mr. G. A. Tocher was elected in place of Mr. Lownsbrough. Messrs. Wilkinson, Shirtliff, and Melhuish were nominated representatives of the Association on the London Pharmaceutical Committee, and these members, with Messrs. H. Raithby Procter and G. A. Tocher, were elected as the Association's representatives on the London County Executive. The President reported on the work of the Pharmaceutical Committee, and Mr. H. Raithby Procter on that of the London County Executive, after which Mr. G. A. Tocher satisfactorily answered a number of queries on Insurance matters. Votes of thanks to the office-bearers for the past session concluded the proceedings.

York.—The annual meeting of the York Chemists' Association was held in the Davy Hall on May 27, Mr. T. E. Batty (President) in the chair. There were also present fifteen members and Mr. T. C. Atkinson (Hon. Secretary). Mr. F. G. Hines was elected as representative on the Parliamentary Recruiting Committee; Mr. W. J. Uglow Woolcock was elected as returning officer for the Pharmaceutical Committee. The Treasurer's report, which showed a balance in hand, was received. The Secretary's report, which gave a *résumé* of the year's work, was adopted. It was decided to send a donation of 5*l.* to the York County Hospital. The following officers for the ensuing year were elected: *President*, Mr. H. Chapman; *Vice-President*, Mr. W. P. Saville; *Treasurer*, Mr. J. A. Lupton; *Hon. Secretary*, Mr. T. C. Atkinson; *Committee*, Messrs. T. E. Batty, M. F. Burgin, W. Dewhurst, F. G. Hines, F. C. Hey, J. R. Parker, T. P. Parker, and F. A. Newey. Votes of thanks to the retiring officers concluded the meeting.

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